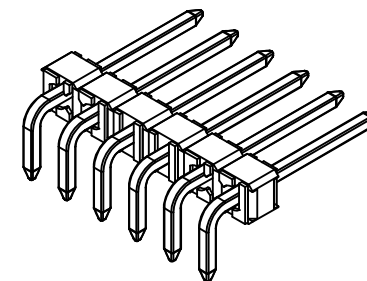
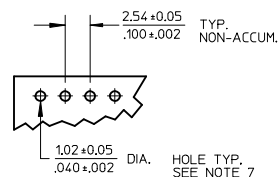
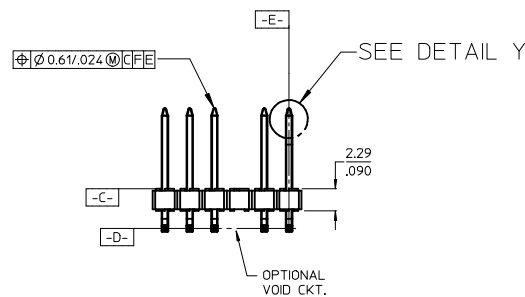


[illegible]

- 
- Diagram illustrating the optional kink pin (SEE NOTE 7). The pin is shown with a kinked section. Dimensions and callouts include:
- SEE DETAIL X (pointing to the kinked section)
  - ±0.38 (dimension for the kinked section)
  - ±0.15 (dimension for the kinked section)
  - GOLD (material specification for the kinked section)
  - M (dimension for the kinked section)
  - P (dimension for the pin length)
  - TYP REF (typical reference dimension)
  - Y (dimension for the pin length)
  - TYP (typical dimension)



TYP. HOLE PATTERN  
FOR 1.57/.062 THK. PCB

|                                                                                                                                |  |                |                                                                                                                               |                                                            |  |                      |  |                          |  |                  |  |                                                                                  |  |                      |  |                                                                                                                 |  |               |  |  |
|--------------------------------------------------------------------------------------------------------------------------------|--|----------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--|----------------------|--|--------------------------|--|------------------|--|----------------------------------------------------------------------------------|--|----------------------|--|-----------------------------------------------------------------------------------------------------------------|--|---------------|--|--|
| PIN TIP TOLERANCE<br>EC NO: UCP2013-3063<br>DRAWN: HKIPPER 2013/08/09<br>CHKD: BANDERSON 2013/08/09<br>APPR: FSWITH 2013/08/27 |  | DESCRIPTION    | QUALITY SYMBOLS<br><br>▽=0<br><br>▽=0<br><br>▽=0                                                                              | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  |                      |  | DIMENSION STYLE<br>MM/IN |  |                  |  | SCALE<br>2:1                                                                     |  | DESIGN UNITS<br>INCH |  | THIRD ANGLE PROJECTION<br> |  | T-SHEET 1 REV |  |  |
|                                                                                                                                |  |                |                                                                                                                               | mm                                                         |  | INCH                 |  | DRAWN BY<br>JSCHAFFER    |  | DATE<br>11/24/03 |  | TITLE<br>KK 100 HEADER ASSEMBLY<br>FLAT RIGHT ANGLE<br>BREAKAWAY<br><b>molex</b> |  |                      |  |                                                                                                                 |  |               |  |  |
|                                                                                                                                |  |                |                                                                                                                               | 3 PLACES ± --- ± .010                                      |  | CHECKED BY<br>SAMIEC |  | DATE<br>11/24/03         |  |                  |  |                                                                                  |  |                      |  |                                                                                                                 |  |               |  |  |
|                                                                                                                                |  |                |                                                                                                                               | 2 PLACES ± 0.25 ± .015                                     |  | APPROVED BY          |  | DATE                     |  |                  |  |                                                                                  |  |                      |  |                                                                                                                 |  |               |  |  |
|                                                                                                                                |  |                |                                                                                                                               | 1 PLACE ± 0.38 ± ---                                       |  | MARGULIS             |  | 11/24/03                 |  | MATERIAL NO.     |  | DOCUMENT NO.                                                                     |  |                      |  |                                                                                                                 |  | SHEET NO.     |  |  |
| 0 PLACE ± ±                                                                                                                    |  | ANGULAR ± 1/2° |                                                                                                                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  |                      |  | SEE CHART                |  |                  |  | SD-42377-001                                                                     |  |                      |  | 1 OF *                                                                                                          |  |               |  |  |
| X3                                                                                                                             |  | REV            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                            |  |                      |  |                          |  |                  |  |                                                                                  |  |                      |  |                                                                                                                 |  |               |  |  |

|                                                  |                 |                                   |                    |                 |                                                                  |                       |                 |                    |                    |                     |            |
|--------------------------------------------------|-----------------|-----------------------------------|--------------------|-----------------|------------------------------------------------------------------|-----------------------|-----------------|--------------------|--------------------|---------------------|------------|
|                                                  |                 |                                   |                    |                 |                                                                  |                       |                 |                    |                    |                     |            |
| ✓ A-42377-0002 / 0036                            |                 |                                   |                    |                 |                                                                  | ✓ A-42377-0037 / 0071 |                 |                    |                    |                     |            |
| HEADER NUMBER:                                   |                 |                                   | 42312-0036         |                 |                                                                  | HEADER NUMBER:        |                 |                    | 42312-0036         |                     |            |
| PIN NUMBER:                                      |                 |                                   | 42663-AZA154       |                 |                                                                  | PIN NUMBER:           |                 |                    | 42663-BSA154       |                     |            |
| PIN LENGTH: L                                    |                 |                                   | .550/13.97         |                 |                                                                  | PIN LENGTH: L         |                 |                    | .630/16.00         |                     |            |
| MATING LENGTH: M                                 |                 |                                   | .244/6.20          |                 |                                                                  | MATING LENGTH: M      |                 |                    | .324/8.23          |                     |            |
| GOLD POINT: G                                    |                 |                                   | N/A                |                 |                                                                  | GOLD POINT: G         |                 |                    | N/A                |                     |            |
| PI N HEIGHT: Y                                   |                 |                                   | .070/1.78          |                 |                                                                  | PI N HEIGHT: Y        |                 |                    | .070/1.78          |                     |            |
| PC TAIL LENGTH: P                                |                 |                                   | .120/3.05          |                 |                                                                  | PC TAIL LENGTH: P     |                 |                    | .120/3.05          |                     |            |
| TIN: T                                           |                 |                                   | OVERALL            |                 |                                                                  | TIN: T                |                 |                    | OVERALL            |                     |            |
| CKTS:                                            |                 |                                   | 2-36               |                 |                                                                  | CKTS:                 |                 |                    | 2-36               |                     |            |
| KINKS:                                           |                 |                                   | NONE               |                 |                                                                  | KINKS:                |                 |                    | NONE               |                     |            |
| REMOVED BACKWALLS:                               |                 |                                   | NONE               |                 |                                                                  | REMOVED BACKWALLS:    |                 |                    | NONE               |                     |            |
| VOIDED CKTS:                                     |                 |                                   | NONE               |                 |                                                                  | VOIDED CKTS:          |                 |                    | NONE               |                     |            |
| PACKAGING:                                       |                 |                                   | BULK PK-40873-0041 |                 |                                                                  | PACKAGING:            |                 |                    | BULK PK-40873-0041 |                     |            |
| CKTS                                             | MATERIAL NUMBER | ENG NUMBER                        | CKTS               | MATERIAL NUMBER | ENG NUMBER                                                       | CKTS                  | MATERIAL NUMBER | ENG NUMBER         | CKTS               | MATERIAL NUMBER     | ENG NUMBER |
| 02                                               | 22-28-8020      | 42377-0002                        | 20                 | 22-28-8200      | 42377-0020                                                       | 02                    | 22-28-8021      | 42377-0037         | 20                 | 22-28-8201          | 42377-0055 |
| 03                                               | 22-28-8030      | 42377-0003                        | 21                 | 22-28-8210      | 42377-0021                                                       | 03                    | 22-28-8031      | 42377-0038         | 21                 | 22-28-8211          | 42377-0056 |
| 04                                               | 22-28-8040      | 42377-0004                        | 22                 | 22-28-8220      | 42377-0022                                                       | 04                    | 22-28-8041      | 42377-0039         | 22                 | 22-28-8221          | 42377-0057 |
| 05                                               | 22-28-8050      | 42377-0005                        | 23                 | 22-28-8230      | 42377-0023                                                       | 05                    | 22-28-8051      | 42377-0040         | 23                 | 22-28-8231          | 42377-0058 |
| 06                                               | 22-28-8060      | 42377-0006                        | 24                 | 22-28-8240      | 42377-0024                                                       | 06                    | 22-28-8061      | 42377-0041         | 24                 | 22-28-8241          | 42377-0059 |
| 07                                               | 22-28-8070      | 42377-0007                        | 25                 | 22-28-8250      | 42377-0025                                                       | 07                    | 22-28-8071      | 42377-0042         | 25                 | 22-28-8251          | 42377-0060 |
| 08                                               | 22-28-8080      | 42377-0008                        | 26                 | 22-28-8260      | 42377-0026                                                       | 08                    | 22-28-8081      | 42377-0043         | 26                 | 22-28-8261          | 42377-0061 |
| 09                                               | 22-28-8090      | 42377-0009                        | 27                 | 22-28-8270      | 42377-0027                                                       | 09                    | 22-28-8091      | 42377-0044         | 27                 | 22-28-8271          | 42377-0062 |
| 10                                               | 22-28-8100      | 42377-0010                        | 28                 | 22-28-8280      | 42377-0028                                                       | 10                    | 22-28-8101      | 42377-0045         | 28                 | 22-28-8281          | 42377-0063 |
| 11                                               | 22-28-8110      | 42377-0011                        | 29                 | 22-28-8290      | 42377-0029                                                       | 11                    | 22-28-8111      | 42377-0046         | 29                 | 22-28-8291          | 42377-0064 |
| 12                                               | 22-28-8120      | 42377-0012                        | 30                 | 22-28-8300      | 42377-0030                                                       | 12                    | 22-28-8121      | 42377-0047         | 30                 | 22-28-8301          | 42377-0065 |
| 13                                               | 22-28-8130      | 42377-0013                        | 31                 | 22-28-8310      | 42377-0031                                                       | 13                    | 22-28-8131      | 42377-0048         | 31                 | 22-28-8311          | 42377-0066 |
| 14                                               | 22-28-8140      | 42377-0014                        | 32                 | 22-28-8320      | 42377-0032                                                       | 14                    | 22-28-8141      | 42377-0049         | 32                 | 22-28-8321          | 42377-0067 |
| 15                                               | 22-28-8150      | 42377-0015                        | 33                 | 22-28-8330      | 42377-0033                                                       | 15                    | 22-28-8151      | 42377-0050         | 33                 | 22-28-8331          | 42377-0068 |
| 16                                               | 22-28-8160      | 42377-0016                        | 34                 | 22-28-8340      | 42377-0034                                                       | 16                    | 22-28-8161      | 42377-0051         | 34                 | 22-28-8341          | 42377-0069 |
| 17                                               | 22-28-8170      | 42377-0017                        | 35                 | 22-28-8350      | 42377-0035                                                       | 17                    | 22-28-8171      | 42377-0052         | 35                 | 22-28-8351          | 42377-0070 |
| 18                                               | 22-28-8180      | 42377-0018                        | 36                 | 22-28-8360      | 42377-0036                                                       | 18                    | 22-28-8181      | 42377-0053         | 36                 | 22-28-8361          | 42377-0071 |
| 19                                               | 22-28-8190      | 42377-0019                        |                    |                 |                                                                  | 19                    | 22-28-8191      | 42377-0054         |                    |                     |            |
|                                                  |                 |                                   |                    |                 |                                                                  |                       |                 |                    |                    |                     |            |
| REV:                                             |                 | <u>ECR/ECN INFORMATION:</u>       |                    |                 | <u>TITLE:</u>                                                    |                       |                 |                    |                    | <u>SHEET No.</u>    |            |
| <b>X1</b>                                        |                 | <u>EC No:</u> <b>UCP2009-0952</b> |                    |                 | <b>KK 100 HEADER ASSEMBLY<br/>FLAT RIGHT ANGLE<br/>BREAKAWAY</b> |                       |                 |                    |                    | <b>- 2 -</b>        |            |
|                                                  |                 | <u>DATE:</u> <b>10/31/2008</b>    |                    |                 |                                                                  |                       |                 |                    |                    |                     |            |
| <u>DOCUMENT NUMBER:</u>                          |                 |                                   |                    |                 | <u>CREATED / REVISED BY:</u>                                     |                       |                 | <u>CHECKED BY:</u> |                    | <u>APPROVED BY:</u> |            |
| <b>SD- 42377-001</b>                             |                 |                                   |                    |                 | <b>MKIPPER</b>                                                   |                       |                 | <b>JBELL</b>       |                    | <b>FSMITH</b>       |            |
| TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC |                 |                                   |                    |                 |                                                                  |                       |                 |                    |                    |                     |            |

|                                                  |                    |                                                                               |                    |                    |                                                                            |                       |                    |                             |                    |                               |                           |  |
|--------------------------------------------------|--------------------|-------------------------------------------------------------------------------|--------------------|--------------------|----------------------------------------------------------------------------|-----------------------|--------------------|-----------------------------|--------------------|-------------------------------|---------------------------|--|
|                                                  |                    |                                                                               |                    |                    |                                                                            |                       |                    |                             |                    |                               |                           |  |
| ✓ A-42377-0072 / 0106                            |                    |                                                                               |                    |                    |                                                                            | ✓ A-42377-0107 / 0141 |                    |                             |                    |                               |                           |  |
| HEADER NUMBER:                                   |                    |                                                                               | 42312-0036         |                    |                                                                            | HEADER NUMBER:        |                    |                             | 42312-0036         |                               |                           |  |
| PIN NUMBER:                                      |                    |                                                                               | 42663-AZB208       |                    |                                                                            | PIN NUMBER:           |                    |                             | 42663-BSB208       |                               |                           |  |
| PIN LENGTH: L                                    |                    |                                                                               | .550/13.97         |                    |                                                                            | PIN LENGTH: L         |                    |                             | .630/16.00         |                               |                           |  |
| MATING LENGTH: M                                 |                    |                                                                               | .244/6.20          |                    |                                                                            | MATING LENGTH: M      |                    |                             | .324/8.23          |                               |                           |  |
| GOLD POINT: G                                    |                    |                                                                               | .140/3.56          |                    |                                                                            | GOLD POINT: G         |                    |                             | .140/3.56          |                               |                           |  |
| PIN HEIGHT: Y                                    |                    |                                                                               | .070/1.78          |                    |                                                                            | PIN HEIGHT: Y         |                    |                             | .070/1.78          |                               |                           |  |
| PC TAIL LENGTH: P                                |                    |                                                                               | .120/13.05         |                    |                                                                            | PC TAIL LENGTH: P     |                    |                             | .120/3.05          |                               |                           |  |
| TIN: T                                           |                    |                                                                               | .135/3.43          |                    |                                                                            | TIN: T                |                    |                             | .135/3.43          |                               |                           |  |
| CKTS:                                            |                    |                                                                               | 2-36               |                    |                                                                            | CKTS:                 |                    |                             | 2-36               |                               |                           |  |
| KINKS:                                           |                    |                                                                               | NONE               |                    |                                                                            | KINKS:                |                    |                             | NONE               |                               |                           |  |
| REMOVED BACKWALLS:                               |                    |                                                                               | NONE               |                    |                                                                            | REMOVED BACKWALLS:    |                    |                             | NONE               |                               |                           |  |
| VOIDED CKTS:                                     |                    |                                                                               | NONE               |                    |                                                                            | VOIDED CKTS:          |                    |                             | NONE               |                               |                           |  |
| PACKAGING:                                       |                    |                                                                               | BULK PK-40873-0041 |                    |                                                                            | PACKAGING:            |                    |                             | BULK PK-40873-0041 |                               |                           |  |
| CKTS                                             | MATERIAL<br>NUMBER | ENG<br>NUMBER                                                                 | CKTS               | MATERIAL<br>NUMBER | ENG<br>NUMBER                                                              | CKTS                  | MATERIAL<br>NUMBER | ENG<br>NUMBER               | CKTS               | MATERIAL<br>NUMBER            | ENG<br>NUMBER             |  |
| 02                                               | 22-28-8022         | 42377-0072                                                                    | 20                 | 22-28-8202         | 42377-0090                                                                 | 02                    | 22-28-8023         | 42377-0107                  | 20                 | 22-28-8203                    | 42377-0125                |  |
| 03                                               | 22-28-8032         | 42377-0073                                                                    | 21                 | 22-28-8212         | 42377-0091                                                                 | 03                    | 22-28-8033         | 42377-0108                  | 21                 | 22-28-8213                    | 42377-0126                |  |
| 04                                               | 22-28-8042         | 42377-0074                                                                    | 22                 | 22-28-8222         | 42377-0092                                                                 | 04                    | 22-28-8043         | 42377-0109                  | 22                 | 22-28-8223                    | 42377-0127                |  |
| 05                                               | 22-28-8052         | 42377-0075                                                                    | 23                 | 22-28-8232         | 42377-0093                                                                 | 05                    | 22-28-8053         | 42377-0110                  | 23                 | 22-28-8233                    | 42377-0128                |  |
| 06                                               | 22-28-8062         | 42377-0076                                                                    | 24                 | 22-28-8242         | 42377-0094                                                                 | 06                    | 22-28-8063         | 42377-0111                  | 24                 | 22-28-8243                    | 42377-0129                |  |
| 07                                               | 22-28-8072         | 42377-0077                                                                    | 25                 | 22-28-8252         | 42377-0095                                                                 | 07                    | 22-28-8073         | 42377-0112                  | 25                 | 22-28-8253                    | 42377-0130                |  |
| 08                                               | 22-28-8082         | 42377-0078                                                                    | 26                 | 22-28-8262         | 42377-0096                                                                 | 08                    | 22-28-8083         | 42377-0113                  | 26                 | 22-28-8263                    | 42377-0131                |  |
| 09                                               | 22-28-8092         | 42377-0079                                                                    | 27                 | 22-28-8272         | 42377-0097                                                                 | 09                    | 22-28-8093         | 42377-0114                  | 27                 | 22-28-8273                    | 42377-0132                |  |
| 10                                               | 22-28-8102         | 42377-0080                                                                    | 28                 | 22-28-8282         | 42377-0098                                                                 | 10                    | 22-28-8103         | 42377-0115                  | 28                 | 22-28-8283                    | 42377-0133                |  |
| 11                                               | 22-28-8112         | 42377-0081                                                                    | 29                 | 22-28-8292         | 42377-0099                                                                 | 11                    | 22-28-8113         | 42377-0116                  | 29                 | 22-28-8293                    | 42377-0134                |  |
| 12                                               | 22-28-8122         | 42377-0082                                                                    | 30                 | 22-28-8302         | 42377-0100                                                                 | 12                    | 22-28-8123         | 42377-0117                  | 30                 | 22-28-8303                    | 42377-0135                |  |
| 13                                               | 22-28-8132         | 42377-0083                                                                    | 31                 | 22-28-8312         | 42377-0101                                                                 | 13                    | 22-28-8133         | 42377-0118                  | 31                 | 22-28-8313                    | 42377-0136                |  |
| 14                                               | 22-28-8142         | 42377-0084                                                                    | 32                 | 22-28-8322         | 42377-0102                                                                 | 14                    | 22-28-8143         | 42377-0119                  | 32                 | 22-28-8323                    | 42377-0137                |  |
| 15                                               | 22-28-8152         | 42377-0085                                                                    | 33                 | 22-28-8332         | 42377-0103                                                                 | 15                    | 22-28-8153         | 42377-0120                  | 33                 | 22-28-8333                    | 42377-0138                |  |
| 16                                               | 22-28-8162         | 42377-0086                                                                    | 34                 | 22-28-8342         | 42377-0104                                                                 | 16                    | 22-28-8163         | 42377-0121                  | 34                 | 22-28-8343                    | 42377-0139                |  |
| 17                                               | 22-28-8172         | 42377-0087                                                                    | 35                 | 22-28-8352         | 42377-0105                                                                 | 17                    | 22-28-8173         | 42377-0122                  | 35                 | 22-28-8353                    | 42377-0140                |  |
| 18                                               | 22-28-8182         | 42377-0088                                                                    | 36                 | 22-28-8362         | 42377-0106                                                                 | 18                    | 22-28-8183         | 42377-0123                  | 36                 | 22-28-8363                    | 42377-0141                |  |
| 19                                               | 22-28-8192         | 42377-0089                                                                    |                    |                    |                                                                            | 19                    | 22-28-8193         | 42377-0124                  |                    |                               |                           |  |
|                                                  |                    |                                                                               |                    |                    |                                                                            |                       |                    |                             |                    |                               |                           |  |
| REV:<br><b>X1</b>                                |                    | ECR/ECN INFORMATION:<br>EC No: <b>UCP2009-0952</b><br>DATE: <b>10/31/2008</b> |                    |                    | TITLE:<br><b>KK 100 HEADER ASSEMBLY<br/>FLAT RIGHT ANGLE<br/>BREAKAWAY</b> |                       |                    |                             |                    |                               | SHEET No.<br><b>- 3 -</b> |  |
| DOCUMENT NUMBER:<br><b>SD- 42377-001</b>         |                    |                                                                               |                    |                    | CREATED / REVISED BY:<br><b>MKIPPER</b>                                    |                       |                    | CHECKED BY:<br><b>JBELL</b> |                    | APPROVED BY:<br><b>FSMITH</b> |                           |  |
| TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC |                    |                                                                               |                    |                    |                                                                            |                       |                    |                             |                    |                               |                           |  |

|                                                  |                    |                                                                               |                    |                    |                                                                                                     |                       |                    |                             |                    |                               |                                                                                                      |  |
|--------------------------------------------------|--------------------|-------------------------------------------------------------------------------|--------------------|--------------------|-----------------------------------------------------------------------------------------------------|-----------------------|--------------------|-----------------------------|--------------------|-------------------------------|------------------------------------------------------------------------------------------------------|--|
|                                                  |                    |                                                                               |                    |                    |                                                                                                     |                       |                    |                             |                    |                               |                                                                                                      |  |
| ✓ A-42377-0142 / 0176                            |                    |                                                                               |                    |                    |                                                                                                     | ✓ A-42377-0177 / 0211 |                    |                             |                    |                               |                                                                                                      |  |
| HEADER NUMBER:                                   |                    |                                                                               | 42312-0036         |                    |                                                                                                     | HEADER NUMBER:        |                    |                             | 42312-0036         |                               |                                                                                                      |  |
| PIN NUMBER:                                      |                    |                                                                               | 42663-BCA154       |                    |                                                                                                     | PIN NUMBER:           |                    |                             | 42663-BXA154       |                               |                                                                                                      |  |
| PIN LENGTH: L                                    |                    |                                                                               | .565/14.35         |                    |                                                                                                     | PIN LENGTH: L         |                    |                             | .645/16.38         |                               |                                                                                                      |  |
| MATING LENGTH: M                                 |                    |                                                                               | .244/6.20          |                    |                                                                                                     | MATING LENGTH: M      |                    |                             | .324/8.23          |                               |                                                                                                      |  |
| GOLD POINT: G                                    |                    |                                                                               | N/A                |                    |                                                                                                     | GOLD POINT: G         |                    |                             | N/A                |                               |                                                                                                      |  |
| PIN HEIGHT: Y                                    |                    |                                                                               | .070/1.78          |                    |                                                                                                     | PIN HEIGHT: Y         |                    |                             | .070/1.78          |                               |                                                                                                      |  |
| PC TAIL LENGTH: P                                |                    |                                                                               | .135/3.43          |                    |                                                                                                     | PC TAIL LENGTH: P     |                    |                             | .135/3.43          |                               |                                                                                                      |  |
| TIN: T                                           |                    |                                                                               | OVERALL            |                    |                                                                                                     | TIN: T                |                    |                             | OVERALL            |                               |                                                                                                      |  |
| CKTS:                                            |                    |                                                                               | 2-36               |                    |                                                                                                     | CKTS:                 |                    |                             | 2-36               |                               |                                                                                                      |  |
| KINKS:                                           |                    |                                                                               | PER SMES-42003     |                    |                                                                                                     | KINKS:                |                    |                             | PER SMES-42003     |                               |                                                                                                      |  |
| REMOVED BACKWALLS:                               |                    |                                                                               | NONE               |                    |                                                                                                     | REMOVED BACKWALLS:    |                    |                             | NONE               |                               |                                                                                                      |  |
| VOIDED CKTS:                                     |                    |                                                                               | NONE               |                    |                                                                                                     | VOIDED CKTS:          |                    |                             | NONE               |                               |                                                                                                      |  |
| PACKAGING:                                       |                    |                                                                               | BULK PK-40873-0041 |                    |                                                                                                     | PACKAGING:            |                    |                             | BULK PK-40873-0041 |                               |                                                                                                      |  |
| CKTS                                             | MATERIAL<br>NUMBER | ENG<br>NUMBER                                                                 | CKTS               | MATERIAL<br>NUMBER | ENG<br>NUMBER                                                                                       | CKTS                  | MATERIAL<br>NUMBER | ENG<br>NUMBER               | CKTS               | MATERIAL<br>NUMBER            | ENG<br>NUMBER                                                                                        |  |
| 02                                               | 22-28-9020         | 42377-0142                                                                    | 20                 | 22-28-9200         | 42377-0160                                                                                          | 02                    | 22-28-9021         | 42377-0177                  | 20                 | 22-28-9201                    | 42377-0195                                                                                           |  |
| 03                                               | 22-28-9030         | 42377-0143                                                                    | 21                 | 22-28-9210         | 42377-0161                                                                                          | 03                    | 22-28-9031         | 42377-0178                  | 21                 | 22-28-9211                    | 42377-0196                                                                                           |  |
| 04                                               | 22-28-9040         | 42377-0144                                                                    | 22                 | 22-28-9220         | 42377-0162                                                                                          | 04                    | 22-28-9041         | 42377-0179                  | 22                 | 22-28-9221                    | 42377-0197                                                                                           |  |
| 05                                               | 22-28-9050         | 42377-0145                                                                    | 23                 | 22-28-9230         | 42377-0163                                                                                          | 05                    | 22-28-9051         | 42377-0180                  | 23                 | 22-28-9231                    | 42377-0198                                                                                           |  |
| 06                                               | 22-28-9060         | 42377-0146                                                                    | 24                 | 22-28-9240         | 42377-0164                                                                                          | 06                    | 22-28-9061         | 42377-0181                  | 24                 | 22-28-9241                    | 42377-0199                                                                                           |  |
| 07                                               | 22-28-9070         | 42377-0147                                                                    | 25                 | 22-28-9250         | 42377-0165                                                                                          | 07                    | 22-28-9071         | 42377-0182                  | 25                 | 22-28-9251                    | 42377-0200                                                                                           |  |
| 08                                               | 22-28-9080         | 42377-0148                                                                    | 26                 | 22-28-9260         | 42377-0166                                                                                          | 08                    | 22-28-9081         | 42377-0183                  | 26                 | 22-28-9261                    | 42377-0201                                                                                           |  |
| 09                                               | 22-28-9090         | 42377-0149                                                                    | 27                 | 22-28-9270         | 42377-0167                                                                                          | 09                    | 22-28-9091         | 42377-0184                  | 27                 | 22-28-9271                    | 42377-0202                                                                                           |  |
| 10                                               | 22-28-9100         | 42377-0150                                                                    | 28                 | 22-28-9280         | 42377-0168                                                                                          | 10                    | 22-28-9101         | 42377-0185                  | 28                 | 22-28-9281                    | 42377-0203                                                                                           |  |
| 11                                               | 22-28-9110         | 42377-0151                                                                    | 29                 | 22-28-9290         | 42377-0169                                                                                          | 11                    | 22-28-9111         | 42377-0186                  | 29                 | 22-28-9291                    | 42377-0204                                                                                           |  |
| 12                                               | 22-28-9120         | 42377-0152                                                                    | 30                 | 22-28-9300         | 42377-0170                                                                                          | 12                    | 22-28-9121         | 42377-0187                  | 30                 | 22-28-9301                    | 42377-0205                                                                                           |  |
| 13                                               | 22-28-9130         | 42377-0153                                                                    | 31                 | 22-28-9310         | 42377-0171                                                                                          | 13                    | 22-28-9131         | 42377-0188                  | 31                 | 22-28-9311                    | 42377-0206                                                                                           |  |
| 14                                               | 22-28-9140         | 42377-0154                                                                    | 32                 | 22-28-9320         | 42377-0172                                                                                          | 14                    | 22-28-9141         | 42377-0189                  | 32                 | 22-28-9321                    | 42377-0207                                                                                           |  |
| 15                                               | 22-28-9150         | 42377-0155                                                                    | 33                 | 22-28-9330         | 42377-0173                                                                                          | 15                    | 22-28-9151         | 42377-0190                  | 33                 | 22-28-9331                    | 42377-0208                                                                                           |  |
| 16                                               | 22-28-9160         | 42377-0156                                                                    | 34                 | 22-28-9340         | 42377-0174                                                                                          | 16                    | 22-28-9161         | 42377-0191                  | 34                 | 22-28-9341                    | 42377-0209                                                                                           |  |
| 17                                               | 22-28-9170         | 42377-0157                                                                    | 35                 | 22-28-9350         | 42377-0175                                                                                          | 17                    | 22-28-9171         | 42377-0192                  | 35                 | 22-28-9351                    | 42377-0210                                                                                           |  |
| 18                                               | 22-28-9180         | 42377-0158                                                                    | 36                 | 22-28-9360         | 42377-0176                                                                                          | 18                    | 22-28-9181         | 42377-0193                  | 36                 | 22-28-9361                    | 42377-0211                                                                                           |  |
| 19                                               | 22-28-9190         | 42377-0159                                                                    |                    |                    |                                                                                                     | 19                    | 22-28-9191         | 42377-0194                  |                    |                               |                                                                                                      |  |
|                                                  |                    |                                                                               |                    |                    |                                                                                                     |                       |                    |                             |                    |                               |                                                                                                      |  |
| REV:<br><b>X1</b>                                |                    | ECR/ECN INFORMATION:<br>EC No: <b>UCP2009-0952</b><br>DATE: <b>10/31/2008</b> |                    |                    | <u>TITLE:</u><br><b>KK 100 HEADER ASSEMBLY<br/>         FLAT RIGHT ANGLE<br/>         BREAKAWAY</b> |                       |                    |                             |                    |                               | <u>SHEET No.</u><br><div style="font-size: 24pt; font-weight: bold; text-align: center;">- 4 -</div> |  |
| DOCUMENT NUMBER:<br><b>SD- 42377-001</b>         |                    |                                                                               |                    |                    | CREATED / REVISED BY:<br><b>MKIPPER</b>                                                             |                       |                    | CHECKED BY:<br><b>JBELL</b> |                    | APPROVED BY:<br><b>FSMITH</b> |                                                                                                      |  |
| TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC |                    |                                                                               |                    |                    |                                                                                                     |                       |                    |                             |                    |                               |                                                                                                      |  |

|                                                  |                 |            |                                                                               |                 |                                         |                                                                              |                 |                             |                    |                               |            |                           |  |
|--------------------------------------------------|-----------------|------------|-------------------------------------------------------------------------------|-----------------|-----------------------------------------|------------------------------------------------------------------------------|-----------------|-----------------------------|--------------------|-------------------------------|------------|---------------------------|--|
|                                                  |                 |            |                                                                               |                 |                                         |                                                                              |                 |                             |                    |                               |            |                           |  |
|                                                  |                 |            |                                                                               |                 |                                         |                                                                              |                 |                             |                    |                               |            |                           |  |
| ✓ A-42377-0212/0246                              |                 |            |                                                                               |                 |                                         | ✓ A-42377-0247-0281                                                          |                 |                             |                    |                               |            |                           |  |
| HEADER NUMBER:                                   |                 |            | 42312-0036                                                                    |                 |                                         | HEADER NUMBER:                                                               |                 |                             | 42312-0036         |                               |            |                           |  |
| PIN NUMBER:                                      |                 |            | 42663-BCB208                                                                  |                 |                                         | PIN NUMBER:                                                                  |                 |                             | 42663-BXB208       |                               |            |                           |  |
| PIN LENGTH: L                                    |                 |            | .565/14.35                                                                    |                 |                                         | PIN LENGTH: L                                                                |                 |                             | .645/16.38         |                               |            |                           |  |
| MATING LENGTH: M                                 |                 |            | .244/6.20                                                                     |                 |                                         | MATING LENGTH: M                                                             |                 |                             | .324/8.23          |                               |            |                           |  |
| GOLD POINT: G                                    |                 |            | .100/2.54                                                                     |                 |                                         | GOLD POINT: G                                                                |                 |                             | .140/3.56          |                               |            |                           |  |
| PIN HEIGHT: Y                                    |                 |            | .070/1.78                                                                     |                 |                                         | PIN HEIGHT: Y                                                                |                 |                             | .070/1.78          |                               |            |                           |  |
| PC TAIL LENGTH: P                                |                 |            | .135/3.43                                                                     |                 |                                         | PC TAIL LENGTH: P                                                            |                 |                             | .135/3.43          |                               |            |                           |  |
| TIN: T                                           |                 |            | .135/3.43                                                                     |                 |                                         | TIN: T                                                                       |                 |                             | .135/3.43          |                               |            |                           |  |
| CKTS:                                            |                 |            | 2-36                                                                          |                 |                                         | CKTS:                                                                        |                 |                             | 2-36               |                               |            |                           |  |
| KINKS:                                           |                 |            | PER SMES-42003                                                                |                 |                                         | KINKS:                                                                       |                 |                             | PER SMES-42003     |                               |            |                           |  |
| REMOVED BACKWALLS:                               |                 |            | NONE                                                                          |                 |                                         | REMOVED BACKWALLS:                                                           |                 |                             | NONE               |                               |            |                           |  |
| VOIDED CKTS:                                     |                 |            | NONE                                                                          |                 |                                         | VOIDED CKTS:                                                                 |                 |                             | NONE               |                               |            |                           |  |
| PACKAGING:                                       |                 |            | BULK PK-40873-0041                                                            |                 |                                         | PACKAGING:                                                                   |                 |                             | BULK PK-40873-0041 |                               |            |                           |  |
| CKTS                                             | MATERIAL NUMBER | ENG NUMBER | CKTS                                                                          | MATERIAL NUMBER | ENG NUMBER                              | CKTS                                                                         | MATERIAL NUMBER | ENG NUMBER                  | CKTS               | MATERIAL NUMBER               | ENG NUMBER |                           |  |
| 02                                               | 22-28-9022      | 42377-0212 | 20                                                                            | 22-28-9202      | 42377-0230                              | 02                                                                           | 22-28-9023      | 42377-0247                  | 20                 | 22-28-9203                    | 42377-0265 |                           |  |
| 03                                               | 22-28-9032      | 42377-0213 | 21                                                                            | 22-28-9212      | 42377-0231                              | 03                                                                           | 22-28-9033      | 42377-0248                  | 21                 | 22-28-9213                    | 42377-0266 |                           |  |
| 04                                               | 22-28-9042      | 42377-0214 | 22                                                                            | 22-28-9222      | 42377-0232                              | 04                                                                           | 22-28-9043      | 42377-0249                  | 22                 | 22-28-9223                    | 42377-0267 |                           |  |
| 05                                               | 22-28-9052      | 42377-0215 | 23                                                                            | 22-28-9232      | 42377-0233                              | 05                                                                           | 22-28-9053      | 42377-0250                  | 23                 | 22-28-9233                    | 42377-0268 |                           |  |
| 06                                               | 22-28-9062      | 42377-0216 | 24                                                                            | 22-28-9242      | 42377-0234                              | 06                                                                           | 22-28-9063      | 42377-0251                  | 24                 | 22-28-9243                    | 42377-0269 |                           |  |
| 07                                               | 22-28-9072      | 42377-0217 | 25                                                                            | 22-28-9252      | 42377-0235                              | 07                                                                           | 22-28-9073      | 42377-0252                  | 25                 | 22-28-9253                    | 42377-0270 |                           |  |
| 08                                               | 22-28-9082      | 42377-0218 | 26                                                                            | 22-28-9262      | 42377-0236                              | 08                                                                           | 22-28-9083      | 42377-0253                  | 26                 | 22-28-9263                    | 42377-0271 |                           |  |
| 09                                               | 22-28-9092      | 42377-0219 | 27                                                                            | 22-28-9272      | 42377-0237                              | 09                                                                           | 22-28-9093      | 42377-0254                  | 27                 | 22-28-9273                    | 42377-0272 |                           |  |
| 10                                               | 22-28-9102      | 42377-0220 | 28                                                                            | 22-28-9282      | 42377-0238                              | 10                                                                           | 22-28-9103      | 42377-0255                  | 28                 | 22-28-9283                    | 42377-0273 |                           |  |
| 11                                               | 22-28-9112      | 42377-0221 | 29                                                                            | 22-28-9292      | 42377-0239                              | 11                                                                           | 22-28-9113      | 42377-0256                  | 29                 | 22-28-9293                    | 42377-0274 |                           |  |
| 12                                               | 22-28-9122      | 42377-0222 | 30                                                                            | 22-28-9302      | 42377-0240                              | 12                                                                           | 22-28-9123      | 42377-0257                  | 30                 | 22-28-9303                    | 42377-0275 |                           |  |
| 13                                               | 22-28-9132      | 42377-0223 | 31                                                                            | 22-28-9312      | 42377-0241                              | 13                                                                           | 22-28-9133      | 42377-0258                  | 31                 | 22-28-9313                    | 42377-0276 |                           |  |
| 14                                               | 22-28-9142      | 42377-0224 | 32                                                                            | 22-28-9322      | 42377-0242                              | 14                                                                           | 22-28-9143      | 42377-0259                  | 32                 | 22-28-9323                    | 42377-0277 |                           |  |
| 15                                               | 22-28-9152      | 42377-0225 | 33                                                                            | 22-28-9332      | 42377-0243                              | 15                                                                           | 22-28-9153      | 42377-0260                  | 33                 | 22-28-9333                    | 42377-0278 |                           |  |
| 16                                               | 22-28-9162      | 42377-0226 | 34                                                                            | 22-28-9342      | 42377-0244                              | 16                                                                           | 22-28-9163      | 42377-0261                  | 34                 | 22-28-9343                    | 42377-0279 |                           |  |
| 17                                               | 22-28-9172      | 42377-0227 | 35                                                                            | 22-28-9352      | 42377-0245                              | 17                                                                           | 22-28-9173      | 42377-0262                  | 35                 | 22-28-9353                    | 42377-0280 |                           |  |
| 18                                               | 22-28-9182      | 42377-0228 | 36                                                                            | 22-28-9362      | 42377-0246                              | 18                                                                           | 22-28-9183      | 42377-0263                  | 36                 | 22-28-9363                    | 42377-0281 |                           |  |
| 19                                               | 22-28-9192      | 42377-0229 |                                                                               |                 |                                         | 19                                                                           | 22-28-9193      | 42377-0264                  |                    |                               |            |                           |  |
| REV: <b>X1</b>                                   |                 |            | ECR/ECN INFORMATION:<br>EC No: <b>UCP2009-0952</b><br>DATE: <b>10/31/2008</b> |                 |                                         | <b>KK 100 HEADER ASSEMBLY</b><br><b>FLAT RIGHT ANGLE</b><br><b>BREAKAWAY</b> |                 |                             |                    |                               |            | SHEET No.<br><b>- 5 -</b> |  |
| DOCUMENT NUMBER:<br><b>SD- 42377-001</b>         |                 |            |                                                                               |                 | CREATED / REVISED BY:<br><b>MKIPPER</b> |                                                                              |                 | CHECKED BY:<br><b>JBELL</b> |                    | APPROVED BY:<br><b>FSMITH</b> |            |                           |  |
| TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC |                 |            |                                                                               |                 |                                         |                                                                              |                 |                             |                    |                               |            |                           |  |

|                       |                 |                    |      |                 |            |
|-----------------------|-----------------|--------------------|------|-----------------|------------|
|                       |                 |                    |      |                 |            |
| ✓ A-42377-0282 / 0316 |                 |                    |      |                 |            |
| HEADER NUMBER:        |                 | 42312-0036         |      |                 |            |
| PIN NUMBER:           |                 | 42663-AZB228       |      |                 |            |
| PIN LENGTH: L         |                 | .550/13.97         |      |                 |            |
| MATING LENGTH: M      |                 | .244/6.20          |      |                 |            |
| GOLD POINT: G         |                 | .140/3.56          |      |                 |            |
| PIN HEIGHT: Y         |                 | .070/1.78          |      |                 |            |
| PC TAIL LENGTH: P     |                 | .120/3.05          |      |                 |            |
| TIN: T                |                 | .135/3.43          |      |                 |            |
| CKTS:                 |                 | 2-36               |      |                 |            |
| KINKS:                |                 | NONE               |      |                 |            |
| REMOVED BACKWALLS:    |                 | NONE               |      |                 |            |
| VOIDED CKTS:          |                 | NONE               |      |                 |            |
| PACKAGING:            |                 | BULK PK-40873-0041 |      |                 |            |
| CKTS                  | MATERIAL NUMBER | ENG NUMBER         | CKTS | MATERIAL NUMBER | ENG NUMBER |
| 02                    | 22-28-8024      | 42377-0282         | 20   | 22-28-8204      | 42377-0300 |
| 03                    | 22-28-8034      | 42377-0283         | 21   | 22-28-8214      | 42377-0301 |
| 04                    | 22-28-8044      | 42377-0284         | 22   | 22-28-8224      | 42377-0302 |
| 05                    | 22-28-8054      | 42377-0285         | 23   | 22-28-8234      | 42377-0303 |
| 06                    | 22-28-8064      | 42377-0286         | 24   | 22-28-8244      | 42377-0304 |
| 07                    | 22-28-8074      | 42377-0287         | 25   | 22-28-8254      | 42377-0305 |
| 08                    | 22-28-8084      | 42377-0288         | 26   | 22-28-8264      | 42377-0306 |
| 09                    | 22-28-8094      | 42377-0289         | 27   | 22-28-8274      | 42377-0307 |
| 10                    | 22-28-8104      | 42377-0290         | 28   | 22-28-8284      | 42377-0308 |
| 11                    | 22-28-8114      | 42377-0291         | 29   | 22-28-8294      | 42377-0309 |
| 12                    | 22-28-8124      | 42377-0292         | 30   | 22-28-8304      | 42377-0310 |
| 13                    | 22-28-8134      | 42377-0293         | 31   | 22-28-8314      | 42377-0311 |
| 14                    | 22-28-8144      | 42377-0294         | 32   | 22-28-8324      | 42377-0312 |
| 15                    | 22-28-8154      | 42377-0295         | 33   | 22-28-8334      | 42377-0313 |
| 16                    | 22-28-8164      | 42377-0296         | 34   | 22-28-8344      | 42377-0314 |
| 17                    | 22-28-8174      | 42377-0297         | 35   | 22-28-8354      | 42377-0315 |
| 18                    | 22-28-8184      | 42377-0298         | 36   | 22-28-8364      | 42377-0316 |
| 19                    | 22-28-8194      | 42377-0299         |      |                 |            |

|                       |                 |                    |      |                 |            |
|-----------------------|-----------------|--------------------|------|-----------------|------------|
| ✓ A-42377-0317 / 0351 |                 |                    |      |                 |            |
| HEADER NUMBER:        |                 | 42312-0036         |      |                 |            |
| PIN NUMBER:           |                 | 42663-BSB228       |      |                 |            |
| PIN LENGTH: L         |                 | .630/16.00         |      |                 |            |
| MATING LENGTH: M      |                 | .324/8.23          |      |                 |            |
| GOLD POINT: G         |                 | .140/3.56          |      |                 |            |
| PIN HEIGHT: Y         |                 | .070/1.78          |      |                 |            |
| PC TAIL LENGTH: P     |                 | .120/3.05          |      |                 |            |
| TIN: T                |                 | .135/3.43          |      |                 |            |
| CKTS:                 |                 | 2-36               |      |                 |            |
| KINKS:                |                 | NONE               |      |                 |            |
| REMOVED BACKWALLS:    |                 | NONE               |      |                 |            |
| VOIDED CKTS:          |                 | NONE               |      |                 |            |
| PACKAGING:            |                 | BULK PK-40873-0041 |      |                 |            |
| CKTS                  | MATERIAL NUMBER | ENG NUMBER         | CKTS | MATERIAL NUMBER | ENG NUMBER |
| 02                    | 22-28-8025      | 42377-0317         | 20   | 22-28-8205      | 42377-0335 |
| 03                    | 22-28-8035      | 42377-0318         | 21   | 22-28-8215      | 42377-0336 |
| 04                    | 22-28-8045      | 42377-0319         | 22   | 22-28-8225      | 42377-0337 |
| 05                    | 22-28-8055      | 42377-0320         | 23   | 22-28-8235      | 42377-0338 |
| 06                    | 22-28-8065      | 42377-0321         | 24   | 22-28-8245      | 42377-0339 |
| 07                    | 22-28-8075      | 42377-0322         | 25   | 22-28-8255      | 42377-0340 |
| 08                    | 22-28-8085      | 42377-0323         | 26   | 22-28-8265      | 42377-0341 |
| 09                    | 22-28-8095      | 42377-0324         | 27   | 22-28-8275      | 42377-0342 |
| 10                    | 22-28-8105      | 42377-0325         | 28   | 22-28-8285      | 42377-0343 |
| 11                    | 22-28-8115      | 42377-0326         | 29   | 22-28-8295      | 42377-0344 |
| 12                    | 22-28-8125      | 42377-0327         | 30   | 22-28-8305      | 42377-0345 |
| 13                    | 22-28-8135      | 42377-0328         | 31   | 22-28-8315      | 42377-0346 |
| 14                    | 22-28-8145      | 42377-0329         | 32   | 22-28-8325      | 42377-0347 |
| 15                    | 22-28-8155      | 42377-0330         | 33   | 22-28-8335      | 42377-0348 |
| 16                    | 22-28-8165      | 42377-0331         | 34   | 22-28-8345      | 42377-0349 |
| 17                    | 22-28-8175      | 42377-0332         | 35   | 22-28-8355      | 42377-0350 |
| 18                    | 22-28-8185      | 42377-0333         | 36   | 22-28-8365      | 42377-0351 |
| 19                    | 22-28-8195      | 42377-0334         |      |                 |            |

|                         |                                   |                                                                  |                    |
|-------------------------|-----------------------------------|------------------------------------------------------------------|--------------------|
| REV:                    | <u>ECR/ECN INFORMATION:</u>       | <u>TITLE:</u>                                                    |                    |
| <b>X1</b>               | <u>EC No:</u> <b>UCP2009-0952</b> | <b>KK 100 HEADER ASSEMBLY<br/>FLAT RIGHT ANGLE<br/>BREAKAWAY</b> | <u>SHEET No.</u>   |
|                         | <u>DATE:</u> <b>10/31/2008</b>    |                                                                  | <b>- 6 -</b>       |
| <u>DOCUMENT NUMBER:</u> |                                   | <u>CREATED / REVISED BY:</u>                                     | <u>CHECKED BY:</u> |
| <b>SD- 42377-001</b>    |                                   | <b>MKIPPER</b>                                                   | <b>JBELL</b>       |
|                         |                                   | <u>APPROVED BY:</u>                                              |                    |
|                         |                                   | <b>FSMITH</b>                                                    |                    |

TEMPLATE FILENAME: PRODUCT\_SPEC[SIZE\_A](V.1).DOC

|                                                  |                 |            |                                                                               |                 |            |                                                                         |                 |            |                             |                 |            |                               |  |
|--------------------------------------------------|-----------------|------------|-------------------------------------------------------------------------------|-----------------|------------|-------------------------------------------------------------------------|-----------------|------------|-----------------------------|-----------------|------------|-------------------------------|--|
|                                                  |                 |            |                                                                               |                 |            |                                                                         |                 |            |                             |                 |            |                               |  |
|                                                  |                 |            |                                                                               |                 |            |                                                                         |                 |            |                             |                 |            |                               |  |
| ✓ A-42377-0352/0386                              |                 |            |                                                                               |                 |            | ✓ A-42377-0387/0421                                                     |                 |            |                             |                 |            |                               |  |
| HEADER NUMBER:                                   |                 |            | 42312-0036                                                                    |                 |            | HEADER NUMBER:                                                          |                 |            | 42312-0036                  |                 |            |                               |  |
| PIN NUMBER:                                      |                 |            | 42663-BCB228                                                                  |                 |            | PIN NUMBER:                                                             |                 |            | 42663-BXB228                |                 |            |                               |  |
| PIN LENGTH: L                                    |                 |            | .565/14.35                                                                    |                 |            | PIN LENGTH: L                                                           |                 |            | .630/16.00                  |                 |            |                               |  |
| MATING LENGTH: M                                 |                 |            | .244/6.20                                                                     |                 |            | MATING LENGTH: M                                                        |                 |            | .324/8.23                   |                 |            |                               |  |
| GOLD POINT: G                                    |                 |            | .100/2.54                                                                     |                 |            | GOLD POINT: G                                                           |                 |            | .140/3.56                   |                 |            |                               |  |
| PIN HEIGHT: Y                                    |                 |            | .070/1.78                                                                     |                 |            | PIN HEIGHT: Y                                                           |                 |            | .070/1.78                   |                 |            |                               |  |
| PC TAIL LENGTH: P                                |                 |            | .135/3.43                                                                     |                 |            | PC TAIL LENGTH: P                                                       |                 |            | .135/3.43                   |                 |            |                               |  |
| TIN: T                                           |                 |            | .135/3.43                                                                     |                 |            | TIN: T                                                                  |                 |            | .135/3.43                   |                 |            |                               |  |
| CKTS:                                            |                 |            | 2-36                                                                          |                 |            | CKTS:                                                                   |                 |            | 2-36                        |                 |            |                               |  |
| KINKS:                                           |                 |            | PER SMES-42003                                                                |                 |            | KINKS:                                                                  |                 |            | PER SMES-42003              |                 |            |                               |  |
| REMOVED BACKWALLS:                               |                 |            | NONE                                                                          |                 |            | REMOVED BACKWALLS:                                                      |                 |            | NONE                        |                 |            |                               |  |
| VOIDED CKTS:                                     |                 |            | NONE                                                                          |                 |            | VOIDED CKTS:                                                            |                 |            | NONE                        |                 |            |                               |  |
| PACKAGING:                                       |                 |            | BULK PK-40873-0041                                                            |                 |            | PACKAGING:                                                              |                 |            | BULK PK-40873-0041          |                 |            |                               |  |
| CKTS                                             | MATERIAL NUMBER | ENG NUMBER | CKTS                                                                          | MATERIAL NUMBER | ENG NUMBER | CKTS                                                                    | MATERIAL NUMBER | ENG NUMBER | CKTS                        | MATERIAL NUMBER | ENG NUMBER |                               |  |
| 02                                               | 22-28-9024      | 42377-0352 | 20                                                                            | 22-28-9204      | 42377-0370 | 02                                                                      | 22-28-9025      | 42377-0387 | 20                          | 22-28-9205      | 42377-0405 |                               |  |
| 03                                               | 22-28-9034      | 42377-0353 | 21                                                                            | 22-28-9214      | 42377-0371 | 03                                                                      | 22-28-9035      | 42377-0388 | 21                          | 22-28-9215      | 42377-0406 |                               |  |
| 04                                               | 22-28-9044      | 42377-0354 | 22                                                                            | 22-28-9224      | 42377-0372 | 04                                                                      | 22-28-9045      | 42377-0389 | 22                          | 22-28-9225      | 42377-0407 |                               |  |
| 05                                               | 22-28-9054      | 42377-0355 | 23                                                                            | 22-28-9234      | 42377-0373 | 05                                                                      | 22-28-9055      | 42377-0390 | 23                          | 22-28-9235      | 42377-0408 |                               |  |
| 06                                               | 22-28-9064      | 42377-0356 | 24                                                                            | 22-28-9244      | 42377-0374 | 06                                                                      | 22-28-9065      | 42377-0391 | 24                          | 22-28-9245      | 42377-0409 |                               |  |
| 07                                               | 22-28-9074      | 42377-0357 | 25                                                                            | 22-28-9254      | 42377-0375 | 07                                                                      | 22-28-9075      | 42377-0392 | 25                          | 22-28-9255      | 42377-0410 |                               |  |
| 08                                               | 22-28-9084      | 42377-0358 | 26                                                                            | 22-28-9264      | 42377-0376 | 08                                                                      | 22-28-9085      | 42377-0393 | 26                          | 22-28-9265      | 42377-0411 |                               |  |
| 09                                               | 22-28-9094      | 42377-0359 | 27                                                                            | 22-28-9274      | 42377-0377 | 09                                                                      | 22-28-9095      | 42377-0394 | 27                          | 22-28-9275      | 42377-0412 |                               |  |
| 10                                               | 22-28-9104      | 42377-0360 | 28                                                                            | 22-28-9284      | 42377-0378 | 10                                                                      | 22-28-9105      | 42377-0395 | 28                          | 22-28-9285      | 42377-0413 |                               |  |
| 11                                               | 22-28-9114      | 42377-0361 | 29                                                                            | 22-28-9294      | 42377-0379 | 11                                                                      | 22-28-9115      | 42377-0396 | 29                          | 22-28-9295      | 42377-0414 |                               |  |
| 12                                               | 22-28-9124      | 42377-0362 | 30                                                                            | 22-28-9304      | 42377-0380 | 12                                                                      | 22-28-9125      | 42377-0397 | 30                          | 22-28-9305      | 42377-0415 |                               |  |
| 13                                               | 22-28-9134      | 42377-0363 | 31                                                                            | 22-28-9314      | 42377-0381 | 13                                                                      | 22-28-9135      | 42377-0398 | 31                          | 22-28-9315      | 42377-0416 |                               |  |
| 14                                               | 22-28-9144      | 42377-0364 | 32                                                                            | 22-28-9324      | 42377-0382 | 14                                                                      | 22-28-9145      | 42377-0399 | 32                          | 22-28-9325      | 42377-0417 |                               |  |
| 15                                               | 22-28-9154      | 42377-0365 | 33                                                                            | 22-28-9334      | 42377-0383 | 15                                                                      | 22-28-9155      | 42377-0400 | 33                          | 22-28-9335      | 42377-0418 |                               |  |
| 16                                               | 22-28-9164      | 42377-0366 | 34                                                                            | 22-28-9344      | 42377-0384 | 16                                                                      | 22-28-9165      | 42377-0401 | 34                          | 22-28-9345      | 42377-0419 |                               |  |
| 17                                               | 22-28-9174      | 42377-0367 | 35                                                                            | 22-28-9354      | 42377-0385 | 17                                                                      | 22-28-9175      | 42377-0402 | 35                          | 22-28-9355      | 42377-0420 |                               |  |
| 18                                               | 22-28-9184      | 42377-0368 | 36                                                                            | 22-28-9364      | 42377-0386 | 18                                                                      | 22-28-9185      | 42377-0403 | 36                          | 22-28-9365      | 42377-0421 |                               |  |
| 19                                               | 22-28-9194      | 42377-0369 |                                                                               |                 |            | 19                                                                      | 22-28-9195      | 42377-0404 |                             |                 |            |                               |  |
| REV: <b>X1</b>                                   |                 |            | ECR/ECN INFORMATION:<br>EC No: <b>UCP2009-0952</b><br>DATE: <b>10/31/2008</b> |                 |            | TITLE: <b>KK 100 HEADER ASSEMBLY<br/>FLAT RIGHT ANGLE<br/>BREAKAWAY</b> |                 |            |                             |                 |            | SHEET No.<br><b>- 7 -</b>     |  |
| DOCUMENT NUMBER:<br><b>SD- 42377-001</b>         |                 |            |                                                                               |                 |            | CREATED / REVISED BY:<br><b>MKIPPER</b>                                 |                 |            | CHECKED BY:<br><b>JBELL</b> |                 |            | APPROVED BY:<br><b>FSMITH</b> |  |
| TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC |                 |            |                                                                               |                 |            |                                                                         |                 |            |                             |                 |            |                               |  |

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|--------------------|--------------------|--------------------|------|--------------------|---------------|--|
|                    |                    |                    |      |                    |               |  |
| ✓ A-42377-0504     |                    |                    |      |                    |               |  |
| HEADER NUMBER:     |                    | 42312-0036         |      |                    |               |  |
| PIN NUMBER:        |                    | 42663-ABA154       |      |                    |               |  |
| PIN LENGTH: L      |                    | .455/11.56         |      |                    |               |  |
| MATING LENGTH: M   |                    | .149/3.78          |      |                    |               |  |
| GOLD POINT: G      |                    | N/A                |      |                    |               |  |
| PIN HEIGHT: Y      |                    | .070/1.78          |      |                    |               |  |
| PC TAIL LENGTH: P  |                    | .120/3.05          |      |                    |               |  |
| TIN: T             |                    | OVERALL            |      |                    |               |  |
| CKTS:              |                    | 2-36               |      |                    |               |  |
| KINKS:             |                    | NONE               |      |                    |               |  |
| REMOVED BACKWALLS: |                    | NONE               |      |                    |               |  |
| VOIDED CKTS:       |                    | NONE               |      |                    |               |  |
| PACKAGING:         |                    | BULK PK-40873-0041 |      |                    |               |  |
| CKTS               | MATERIAL<br>NUMBER | ENG<br>NUMBER      | CKTS | MATERIAL<br>NUMBER | ENG<br>NUMBER |  |
| 02                 |                    |                    | 20   |                    |               |  |
| 03                 |                    |                    | 21   |                    |               |  |
| 04                 |                    |                    | 22   |                    |               |  |
| 05                 |                    |                    | 23   |                    |               |  |
| 06                 |                    |                    | 24   |                    |               |  |
| 07                 |                    |                    | 25   |                    |               |  |
| 08                 |                    |                    | 26   |                    |               |  |
| 09                 |                    |                    | 27   |                    |               |  |
| 10                 |                    |                    | 28   |                    |               |  |
| 11                 |                    |                    | 29   |                    |               |  |
| 12                 |                    |                    | 30   |                    |               |  |
| 13                 |                    |                    | 31   |                    |               |  |
| 14                 | 22-28-9148         | A-42377-0504       | 32   |                    |               |  |
| 15                 |                    |                    | 33   |                    |               |  |
| 16                 |                    |                    | 34   |                    |               |  |
| 17                 |                    |                    | 35   |                    |               |  |
| 18                 |                    |                    | 36   |                    |               |  |
| 19                 |                    |                    |      |                    |               |  |

|                                                                                                    |                                                                                      |                                                                                                                                                                                        |                                                                                                           |                                                                                         |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| REV:<br><br><div style="font-size: 2em; font-weight: bold; text-align: center;">X1</div>           | <u>ECR/ECN INFORMATION:</u><br>EC No: <b>UCP2009-0952</b><br>DATE: <b>10/31/2008</b> | <u>TITLE:</u><br><div style="text-align: center; font-weight: bold;">             KK 100 HEADER ASSEMBLY<br/>             FLAT RIGHT ANGLE<br/>             BREAKAWAY           </div> | <u>SHEET No.</u><br><br><div style="font-size: 1.5em; font-weight: bold; text-align: center;">- 8 -</div> |                                                                                         |
| <u>DOCUMENT NUMBER:</u><br><div style="font-weight: bold; text-align: center;">SD- 42377-001</div> |                                                                                      | <u>CREATED / REVISED BY:</u><br><div style="text-align: center; font-weight: bold;">MKIPPER</div>                                                                                      | <u>CHECKED BY:</u><br><div style="text-align: center; font-weight: bold;">JBELL</div>                     | <u>APPROVED BY:</u><br><div style="text-align: center; font-weight: bold;">FSMITH</div> |

TEMPLATE FILENAME: PRODUCT\_SPEC[SIZE\_A](V.1).DOC

|                       |                 |                    |                 |
|-----------------------|-----------------|--------------------|-----------------|
|                       |                 |                    |                 |
| ✓ A-42377-0693 / 0726 |                 |                    |                 |
| HEADER NUMBER:        |                 | 42312-0036         |                 |
| PIN NUMBER:           |                 | 42663-BCA154       |                 |
| PIN LENGTH: L         |                 | .565/14.35         |                 |
| MATING LENGTH: M      |                 | .244/6.20          |                 |
| GOLD POINT: G         |                 | N/A                |                 |
| PIN HEIGHT: Y         |                 | .070/1.78          |                 |
| PC TAIL LENGTH: P     |                 | .135/3.43          |                 |
| TIN: T                |                 | OVERALL            |                 |
| CKTS:                 |                 | 3-36               |                 |
| KINKS:                |                 | PER SMES-42003     |                 |
| REMOVED BACKWALLS:    |                 | NO                 |                 |
| VOIDED CKTS:          |                 | 2                  |                 |
| PACKAGING:            |                 | BULK PK-40873-0041 |                 |
| CKTS                  | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                    |                 | 20                 | 42377-0710      |
| 03                    | 42377-0693      | 21                 | 42377-0711      |
| 04                    | 42377-0694      | 22                 | 42377-0712      |
| 05                    | 42377-0695      | 23                 | 42377-0713      |
| 06                    | 42377-0696      | 24                 | 42377-0714      |
| 07                    | 42377-0697      | 25                 | 42377-0715      |
| 08                    | 42377-0698      | 26                 | 42377-0716      |
| 09                    | 42377-0699      | 27                 | 42377-0717      |
| 10                    | 42377-0700      | 28                 | 42377-0718      |
| 11                    | 42377-0701      | 29                 | 42377-0719      |
| 12                    | 42377-0702      | 30                 | 42377-0720      |
| 13                    | 42377-0703      | 31                 | 42377-0721      |
| 14                    | 42377-0704      | 32                 | 42377-0727      |
| 15                    | 42377-0705      | 33                 | 42377-0723      |
| 16                    | 42377-0706      | 34                 | 42377-0724      |
| 17                    | 42377-0707      | 35                 | 42377-0725      |
| 18                    | 42377-0708      | 36                 | 42377-0726      |
| 19                    | 42377-0709      |                    |                 |

|                       |                 |                    |                 |
|-----------------------|-----------------|--------------------|-----------------|
| ✓ A-42377-0779 / 0813 |                 |                    |                 |
| HEADER NUMBER:        |                 | 42312-0036         |                 |
| PIN NUMBER:           |                 | 42663-ANA154       |                 |
| PIN LENGTH: L         |                 | .510/12.95         |                 |
| MATING LENGTH: M      |                 | .134/3.40          |                 |
| GOLD POINT: G         |                 | N/A                |                 |
| PIN HEIGHT: Y         |                 | .060/1.52          |                 |
| PC TAIL LENGTH: P     |                 | .200/5.08          |                 |
| TIN: T                |                 | OVERALL            |                 |
| CKTS:                 |                 | 2-36               |                 |
| KINKS:                |                 | NONE               |                 |
| REMOVED BACKWALLS:    |                 | NONE               |                 |
| VOIDED CKTS:          |                 | NONE               |                 |
| PACKAGING:            |                 | BULK PK-40873-0041 |                 |
| CKTS                  | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                    | 42377-0779      | 20                 | 42377-0797      |
| 03                    | 42377-0780      | 21                 | 42377-0798      |
| 04                    | 42377-0781      | 22                 | 42377-0799      |
| 05                    | 42377-0782      | 23                 | 42377-0800      |
| 06                    | 42377-0783      | 24                 | 42377-0801      |
| 07                    | 42377-0784      | 25                 | 42377-0802      |
| 08                    | 42377-0785      | 26                 | 42377-0803      |
| 09                    | 42377-0786      | 27                 | 42377-0804      |
| 10                    | 42377-0787      | 28                 | 42377-0805      |
| 11                    | 42377-0788      | 29                 | 42377-0806      |
| 12                    | 42377-0789      | 30                 | 42377-0807      |
| 13                    | 42377-0790      | 31                 | 42377-0808      |
| 14                    | 42377-0791      | 32                 | 42377-0809      |
| 15                    | 42377-0792      | 33                 | 42377-0810      |
| 16                    | 42377-0793      | 34                 | 42377-0811      |
| 17                    | 42377-0794      | 35                 | 42377-0812      |
| 18                    | 42377-0795      | 36                 | 42377-0813      |
| 19                    | 42377-0796      |                    |                 |

|                         |                                   |                                                                  |                    |
|-------------------------|-----------------------------------|------------------------------------------------------------------|--------------------|
| REV:                    | <u>ECR/ECN INFORMATION:</u>       | <u>TITLE:</u>                                                    |                    |
| <b>X1</b>               | <u>EC No:</u> <b>UCP2009-0952</b> | <b>KK 100 HEADER ASSEMBLY<br/>FLAT RIGHT ANGLE<br/>BREAKAWAY</b> | <u>SHEET No.</u>   |
|                         | <u>DATE:</u> <b>10/31/2008</b>    |                                                                  | <b>- 9 -</b>       |
| <u>DOCUMENT NUMBER:</u> |                                   | <u>CREATED / REVISED BY:</u>                                     | <u>CHECKED BY:</u> |
| <b>SD- 42377-001</b>    |                                   | <b>MKIPPER</b>                                                   | <b>JBELL</b>       |
|                         |                                   | <u>APPROVED BY:</u>                                              |                    |
|                         |                                   | <b>FSMITH</b>                                                    |                    |

TEMPLATE FILENAME: PRODUCT\_SPEC[SIZE\_A](V.1).DOC

|                                                  |                 |  |  |                      |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
|--------------------------------------------------|-----------------|--|--|----------------------|-----------------|--|--|------------------------------------------------------------------|--|--|--|---------------|--|--|--|---------------|--|--|--|
|                                                  |                 |  |  |                      |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
|                                                  |                 |  |  |                      |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| ✓ A-42377-0864 / 0898                            |                 |  |  |                      |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| HEADER NUMBER:                                   |                 |  |  | 42312-0036           |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| PIN NUMBER:                                      |                 |  |  | 42663-BXA154         |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| PIN LENGTH: L                                    |                 |  |  | .645/16.38           |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| MATING LENGTH: M                                 |                 |  |  | .324/8.28            |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| GOLD POINT: G                                    |                 |  |  | N/A                  |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| PIN HEIGHT: Y                                    |                 |  |  | .070/1.78            |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| PC TAIL LENGTH: P                                |                 |  |  | .135/3.43            |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| TIN: T                                           |                 |  |  | OVERALL              |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| CKTS:                                            |                 |  |  | 2-36                 |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| KINKS:                                           |                 |  |  | NONE                 |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| REMOVED BACKWALLS:                               |                 |  |  | NONE                 |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| VOIDED CKTS:                                     |                 |  |  | NONE                 |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| PACKAGING:                                       |                 |  |  | BULK PK-40873-0041   |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| CKTS                                             | MATERIAL NUMBER |  |  | CKTS                 | MATERIAL NUMBER |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| 02                                               | 42377-0864      |  |  | 20                   | 42377-0882      |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| 03                                               | 42377-0865      |  |  | 21                   | 42377-0883      |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| 04                                               | 42377-0866      |  |  | 22                   | 42377-0884      |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| 05                                               | 42377-0867      |  |  | 23                   | 42377-0885      |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| 06                                               | 42377-0868      |  |  | 24                   | 42377-0886      |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| 07                                               | 42377-0869      |  |  | 25                   | 42377-0887      |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| 08                                               | 42377-0870      |  |  | 26                   | 42377-0888      |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| 09                                               | 42377-0871      |  |  | 27                   | 42377-0889      |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| 10                                               | 42377-0872      |  |  | 28                   | 42377-0890      |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| 11                                               | 42377-0873      |  |  | 29                   | 42377-0891      |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| 12                                               | 42377-0874      |  |  | 30                   | 42377-0892      |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| 13                                               | 42377-0875      |  |  | 31                   | 42377-0893      |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| 14                                               | 42377-0876      |  |  | 32                   | 42377-0894      |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| 15                                               | 42377-0877      |  |  | 33                   | 42377-0895      |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| 16                                               | 42377-0878      |  |  | 34                   | 42377-0896      |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| 17                                               | 42377-0879      |  |  | 35                   | 42377-0897      |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| 18                                               | 42377-0880      |  |  | 36                   | 42377-0898      |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| 19                                               | 42377-0881      |  |  |                      |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
|                                                  |                 |  |  |                      |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| REV:                                             |                 |  |  | ECR/ECN INFORMATION: |                 |  |  | TITLE:                                                           |  |  |  | SHEET No.     |  |  |  |               |  |  |  |
| <b>X1</b>                                        |                 |  |  | EC No: UCP2009-0952  |                 |  |  | <b>KK 100 HEADER ASSEMBLY<br/>FLAT RIGHT ANGLE<br/>BREAKAWAY</b> |  |  |  | <b>- 10 -</b> |  |  |  |               |  |  |  |
|                                                  |                 |  |  | DATE: 10/31/2008     |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |
| DOCUMENT NUMBER:                                 |                 |  |  |                      |                 |  |  | CREATED / REVISED BY:                                            |  |  |  | CHECKED BY:   |  |  |  | APPROVED BY:  |  |  |  |
| <b>SD- 42377-001</b>                             |                 |  |  |                      |                 |  |  | <b>MKIPPER</b>                                                   |  |  |  | <b>JBELL</b>  |  |  |  | <b>FSMITH</b> |  |  |  |
| TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC |                 |  |  |                      |                 |  |  |                                                                  |  |  |  |               |  |  |  |               |  |  |  |

|                                                                 |                 |  |  |                      |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
|-----------------------------------------------------------------|-----------------|--|--|----------------------|-----------------|--|--|------------------------------------------------------------------------------------|--|--|--|---------------|--|--|--|---------------|--|--|--|
|                                                                 |                 |  |  |                      |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
|                                                                 |                 |  |  |                      |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| ✓ A-42377-0928 / 0962                                           |                 |  |  |                      |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| HEADER NUMBER:                                                  |                 |  |  | 42312-0036           |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| PIN NUMBER:                                                     |                 |  |  | 42663-DHB208         |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| PIN LENGTH: L                                                   |                 |  |  | .800/20.32           |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| MATING LENGTH: M                                                |                 |  |  | .317/8.05            |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| GOLD POINT: G                                                   |                 |  |  | .180/4.57            |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| PIN HEIGHT: Y                                                   |                 |  |  | .070/1.78            |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| PC TAIL LENGTH: P                                               |                 |  |  | .290/7.37            |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| TIN: T                                                          |                 |  |  | .135/3.43            |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| CKTS:                                                           |                 |  |  | 2-36                 |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| KINKS:                                                          |                 |  |  | NONE                 |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| REMOVED BACKWALLS:                                              |                 |  |  | NONE                 |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| VOIDED CKTS:                                                    |                 |  |  | NONE                 |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| PACKAGING:                                                      |                 |  |  | BULK PK-40873-0043   |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| CKTS                                                            | MATERIAL NUMBER |  |  | CKTS                 | MATERIAL NUMBER |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| 02                                                              | 42377-0928      |  |  | 20                   | 42377-0946      |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| 03                                                              | 42377-0929      |  |  | 21                   | 42377-0947      |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| 04                                                              | 42377-0930      |  |  | 22                   | 42377-0948      |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| 05                                                              | 42377-0931      |  |  | 23                   | 42377-0949      |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| 06                                                              | 42377-0932      |  |  | 24                   | 42377-0950      |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| 07                                                              | 42377-0933      |  |  | 25                   | 42377-0951      |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| 08                                                              | 42377-0934      |  |  | 26                   | 42377-0952      |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| 09                                                              | 42377-0935      |  |  | 27                   | 42377-0953      |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| 10                                                              | 42377-0936      |  |  | 28                   | 42377-0954      |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| 11                                                              | 42377-0937      |  |  | 29                   | 42377-0955      |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| 12                                                              | 42377-0938      |  |  | 30                   | 42377-0956      |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| 13                                                              | 42377-0939      |  |  | 31                   | 42377-0957      |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| 14                                                              | 42377-0940      |  |  | 32                   | 42377-0958      |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| 15                                                              | 42377-0941      |  |  | 33                   | 42377-0959      |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| 16                                                              | 42377-0942      |  |  | 34                   | 42377-0960      |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| 17                                                              | 42377-0943      |  |  | 35                   | 42377-0961      |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| 18                                                              | 42377-0944      |  |  | 36                   | 42377-0962      |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| 19                                                              | 42377-0945      |  |  |                      |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
|                                                                 |                 |  |  |                      |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| REV:                                                            |                 |  |  | ECR/ECN INFORMATION: |                 |  |  | TITLE:                                                                             |  |  |  | SHEET No.     |  |  |  |               |  |  |  |
| <b>X1</b>                                                       |                 |  |  | EC No: UCP2009-0952  |                 |  |  | <b>KK 100 HEADER ASSEMBLY<br/>         FLAT RIGHT ANGLE<br/>         BREAKAWAY</b> |  |  |  | <b>- 11 -</b> |  |  |  |               |  |  |  |
|                                                                 |                 |  |  | DATE: 10/31/2008     |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |
| DOCUMENT NUMBER:                                                |                 |  |  |                      |                 |  |  | CREATED / REVISED BY:                                                              |  |  |  | CHECKED BY:   |  |  |  | APPROVED BY:  |  |  |  |
| <b>SD- 42377-001</b>                                            |                 |  |  |                      |                 |  |  | <b>MKIPPER</b>                                                                     |  |  |  | <b>JBELL</b>  |  |  |  | <b>FSMITH</b> |  |  |  |
| <small>TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC</small> |                 |  |  |                      |                 |  |  |                                                                                    |  |  |  |               |  |  |  |               |  |  |  |

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|-----------------------|-----------------|--------------------|-----------------|
|                       |                 |                    |                 |
| ✓ A-42377-0998 / 1031 |                 |                    |                 |
| HEADER NUMBER:        |                 | 42312-0036         |                 |
| PIN NUMBER:           |                 | 42663-ABA154       |                 |
| PIN LENGTH: L         |                 | .455/11.56         |                 |
| MATING LENGTH: M      |                 | .140/3.56          |                 |
| GOLD POINT: G         |                 | N/A                |                 |
| PIN HEIGHT: Y         |                 | .050/1.27          |                 |
| PC TAIL LENGTH: P     |                 | .145/3.68          |                 |
| TIN: T                |                 | OVERALL            |                 |
| CKTS:                 |                 | 3-36               |                 |
| KINKS:                |                 | NONE               |                 |
| REMOVED BACKWALLS:    |                 | NONE               |                 |
| VOIDED CKTS:          |                 | 3                  |                 |
| PACKAGING:            |                 | BULK PK-40873-0041 |                 |
| CKTS                  | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                    |                 | 20                 | 42377-1015      |
| 03                    | 42377-0998      | 21                 | 42377-1016      |
| 04                    | 42377-0999      | 22                 | 42377-1017      |
| 05                    | 42377-1000      | 23                 | 42377-1018      |
| 06                    | 42377-1001      | 24                 | 42377-1019      |
| 07                    | 42377-1002      | 25                 | 42377-1020      |
| 08                    | 42377-1003      | 26                 | 42377-1021      |
| 09                    | 42377-1004      | 27                 | 42377-1022      |
| 10                    | 42377-1005      | 28                 | 42377-1023      |
| 11                    | 42377-1006      | 29                 | 42377-1024      |
| 12                    | 42377-1007      | 30                 | 42377-1025      |
| 13                    | 42377-1008      | 31                 | 42377-1026      |
| 14                    | 42377-1009      | 32                 | 42377-1027      |
| 15                    | 42377-1010      | 33                 | 42377-1028      |
| 16                    | 42377-1011      | 34                 | 42377-1029      |
| 17                    | 42377-1012      | 35                 | 42377-1030      |
| 18                    | 42377-1013      | 36                 | 42377-1031      |
| 19                    | 42377-1014      |                    |                 |

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|----------------------|-----------------|--------------------|-----------------|
|                      |                 |                    |                 |
| ✓ A-42377-1032/ 1066 |                 |                    |                 |
| HEADER NUMBER:       |                 | 42312-0036         |                 |
| PIN NUMBER:          |                 | 42663-BYB208       |                 |
| PIN LENGTH: L        |                 | .650/16.51         |                 |
| MATING LENGTH: M     |                 | .394/10.01         |                 |
| GOLD POINT: G        |                 | .200/5.08          |                 |
| PIN HEIGHT: Y        |                 | .050/1.27          |                 |
| PC TAIL LENGTH: P    |                 | .089/2.26          |                 |
| TIN: T               |                 | .200/5.08          |                 |
| CKTS:                |                 | 2-36               |                 |
| KINKS:               |                 | NONE               |                 |
| REMOVED BACKWALLS:   |                 | NONE               |                 |
| VOIDED CKTS:         |                 | NONE               |                 |
| PACKAGING:           |                 | BULK PK-40873-0041 |                 |
| CKTS                 | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                   | 42377-1032      | 20                 | 42377-1050      |
| 03                   | 42377-1033      | 21                 | 42377-1051      |
| 04                   | 42377-1034      | 22                 | 42377-1052      |
| 05                   | 42377-1035      | 23                 | 42377-1053      |
| 06                   | 42377-1036      | 24                 | 42377-1054      |
| 07                   | 42377-1037      | 25                 | 42377-1055      |
| 08                   | 42377-1038      | 26                 | 42377-1056      |
| 09                   | 42377-1039      | 27                 | 42377-1057      |
| 10                   | 42377-1040      | 28                 | 42377-1058      |
| 11                   | 42377-1041      | 29                 | 42377-1059      |
| 12                   | 42377-1042      | 30                 | 42377-1060      |
| 13                   | 42377-1043      | 31                 | 42377-1061      |
| 14                   | 42377-1044      | 32                 | 42377-1062      |
| 15                   | 42377-1045      | 33                 | 42377-1063      |
| 16                   | 42377-1046      | 34                 | 42377-1064      |
| 17                   | 42377-1047      | 35                 | 42377-1065      |
| 18                   | 42377-1048      | 36                 | 42377-1066      |
| 19                   | 42377-1049      |                    |                 |

|                         |                                   |                                                                  |                    |
|-------------------------|-----------------------------------|------------------------------------------------------------------|--------------------|
| REV:                    | <u>ECR/ECN INFORMATION:</u>       | <u>TITLE:</u>                                                    | <u>SHEET No.</u>   |
| <b>X1</b>               | <u>EC No:</u> <b>UCP2009-0952</b> | <b>KK 100 HEADER ASSEMBLY<br/>FLAT RIGHT ANGLE<br/>BREAKAWAY</b> | <b>- 12 -</b>      |
|                         | <u>DATE:</u> <b>10/31/2008</b>    |                                                                  |                    |
| <u>DOCUMENT NUMBER:</u> |                                   | <u>CREATED / REVISED BY:</u>                                     | <u>CHECKED BY:</u> |
| <b>SD- 42377-001</b>    |                                   | <b>MKIPPER</b>                                                   | <b>JBELL</b>       |
|                         |                                   | <u>APPROVED BY:</u>                                              |                    |
|                         |                                   | <b>FSMITH</b>                                                    |                    |

TEMPLATE FILENAME: PRODUCT\_SPEC[SIZE\_A](V.1).DOC

|                    |                 |                    |                 |                    |                 |                    |                 |
|--------------------|-----------------|--------------------|-----------------|--------------------|-----------------|--------------------|-----------------|
| A-42377-1101/1130  |                 |                    |                 | A-42377-1131/1165  |                 |                    |                 |
| HEADER NUMBER:     |                 | 42312-0036         |                 | HEADER NUMBER:     |                 | 42312-0036         |                 |
| PIN NUMBER:        |                 | 42663-BSA154       |                 | PIN NUMBER:        |                 | 42663-ARB208       |                 |
| PIN LENGTH: L      |                 | .630/16.00         |                 | PIN LENGTH: L      |                 | .520/13.21         |                 |
| MATING LENGTH: M   |                 | .324/8.23          |                 | MATING LENGTH: M   |                 | .230/5.84          |                 |
| GOLD POINT: G      |                 | N/A                |                 | GOLD POINT: G      |                 | .140/3.56          |                 |
| PIN HEIGHT: Y      |                 | .070/1.78          |                 | PIN HEIGHT: Y      |                 | .070/1.78          |                 |
| PC TAIL LENGTH: P  |                 | .120/3.05          |                 | PC TAIL LENGTH: P  |                 | .093/2.36          |                 |
| TIN: T             |                 | OVERALL            |                 | TIN: T             |                 | .135/3.43          |                 |
| CKTS:              |                 | 2-36               |                 | CKTS:              |                 | 2-36               |                 |
| KINKS:             |                 | NONE               |                 | KINKS:             |                 | NONE               |                 |
| REMOVED BACKWALLS: |                 | NONE               |                 | REMOVED BACKWALLS: |                 | NONE               |                 |
| VOIDED CKTS:       |                 | 7                  |                 | VOIDED CKTS:       |                 | NONE               |                 |
| PACKAGING:         |                 | BULK PK-40873-0041 |                 | PACKAGING:         |                 | BULK PK-40873-0041 |                 |
| CKTS               | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                 |                 | 20                 | 42377-1114      | 02                 | 42377-1131      | 20                 | 42377-1149      |
| 03                 |                 | 21                 | 42377-1115      | 03                 | 42377-1132      | 21                 | 42377-1150      |
| 04                 |                 | 22                 | 42377-1116      | 04                 | 42377-1133      | 22                 | 42377-1151      |
| 05                 |                 | 23                 | 42377-1117      | 05                 | 42377-1134      | 23                 | 42377-1152      |
| 06                 |                 | 24                 | 42377-1118      | 06                 | 42377-1135      | 24                 | 42377-1153      |
| 07                 | 42377-1101      | 25                 | 42377-1119      | 07                 | 42377-1136      | 25                 | 42377-1154      |
| 08                 | 42377-1102      | 26                 | 42377-1120      | 08                 | 42377-1137      | 26                 | 42377-1155      |
| 09                 | 42377-1103      | 27                 | 42377-1121      | 09                 | 42377-1138      | 27                 | 42377-1156      |
| 10                 | 42377-1104      | 28                 | 42377-1122      | 10                 | 42377-1139      | 28                 | 42377-1157      |
| 11                 | 42377-1105      | 29                 | 42377-1123      | 11                 | 42377-1140      | 29                 | 42377-1158      |
| 12                 | 42377-1106      | 30                 | 42377-1124      | 12                 | 42377-1141      | 30                 | 42377-1159      |
| 13                 | 42377-1107      | 31                 | 42377-1125      | 13                 | 42377-1142      | 31                 | 42377-1160      |
| 14                 | 42377-1108      | 32                 | 42377-1126      | 14                 | 42377-1143      | 32                 | 42377-1161      |
| 15                 | 42377-1109      | 33                 | 42377-1127      | 15                 | 42377-1144      | 33                 | 42377-1162      |
| 16                 | 42377-1110      | 34                 | 42377-1128      | 16                 | 42377-1145      | 34                 | 42377-1163      |
| 17                 | 42377-1111      | 35                 | 42377-1129      | 17                 | 42377-1146      | 35                 | 42377-1164      |
| 18                 | 42377-1112      | 36                 | 42377-1130      | 18                 | 42377-1147      | 36                 | 42377-1165      |
| 19                 | 42377-1113      |                    |                 | 19                 | 42377-1148      |                    |                 |

|                      |                       |                                                                                        |               |
|----------------------|-----------------------|----------------------------------------------------------------------------------------|---------------|
| REV:                 | ECR/ECN INFORMATION:  | TITLE:                                                                                 | SHEET No.     |
| <b>X1</b>            | EC No: UCP2009-0952   | <b>KK 100 HEADER ASSEMBLY<br/>           FLAT RIGHT ANGLE<br/>           BREAKAWAY</b> | <b>- 13 -</b> |
|                      | DATE: 10/31/2008      |                                                                                        |               |
| DOCUMENT NUMBER:     | CREATED / REVISED BY: | CHECKED BY:                                                                            | APPROVED BY:  |
| <b>SD- 42377-001</b> | <b>MKIPPER</b>        | <b>JBELL</b>                                                                           | <b>FSMITH</b> |

TEMPLATE FILENAME: PRODUCT\_SPEC[SIZE\_A](V.1).DOC

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|--------------------------------------------------|----------------------|-----------------------|------------------------------------------------------------------|
|                                                  |                      |                       |                                                                  |
| A-42377-1166/1200                                |                      |                       |                                                                  |
| HEADER NUMBER:                                   |                      | 42312-0036            |                                                                  |
| PIN NUMBER:                                      |                      | 42663-BKA154          |                                                                  |
| PIN LENGTH: L                                    |                      | .600/15.24            |                                                                  |
| MATING LENGTH: M                                 |                      | .320/8.13             |                                                                  |
| GOLD POINT: G                                    |                      | N/A                   |                                                                  |
| PIN HEIGHT: Y                                    |                      | .070/1.78             |                                                                  |
| PC TAIL LENGTH: P                                |                      | .093/2.36             |                                                                  |
| TIN: T                                           |                      | OVERALL               |                                                                  |
| CKTS:                                            |                      | 2-36                  |                                                                  |
| KINKS:                                           |                      | NONE                  |                                                                  |
| REMOVED BACKWALLS:                               |                      | NONE                  |                                                                  |
| VOIDED CKTS:                                     |                      | NONE                  |                                                                  |
| PACKAGING:                                       |                      | BULK PK-40873-0041    |                                                                  |
| CKTS                                             | MATERIAL NUMBER      | CKTS                  | MATERIAL NUMBER                                                  |
| 02                                               | 42377-1166           | 20                    | 42377-1184                                                       |
| 03                                               | 42377-1167           | 21                    | 42377-1185                                                       |
| 04                                               | 42377-1168           | 22                    | 42377-1186                                                       |
| 05                                               | 42377-1169           | 23                    | 42377-1187                                                       |
| 06                                               | 42377-1170           | 24                    | 42377-1188                                                       |
| 07                                               | 42377-1171           | 25                    | 42377-1189                                                       |
| 08                                               | 42377-1172           | 26                    | 42377-1190                                                       |
| 09                                               | 42377-1173           | 27                    | 42377-1191                                                       |
| 10                                               | 42377-1174           | 28                    | 42377-1192                                                       |
| 11                                               | 42377-1175           | 29                    | 42377-1193                                                       |
| 12                                               | 42377-1176           | 30                    | 42377-1194                                                       |
| 13                                               | 42377-1177           | 31                    | 42377-1195                                                       |
| 14                                               | 42377-1178           | 32                    | 42377-1196                                                       |
| 15                                               | 42377-1179           | 33                    | 42377-1197                                                       |
| 16                                               | 42377-1180           | 34                    | 42377-1198                                                       |
| 17                                               | 42377-1181           | 35                    | 42377-1199                                                       |
| 18                                               | 42377-1182           | 36                    | 42377-1200                                                       |
| 19                                               | 42377-1183           |                       |                                                                  |
|                                                  |                      |                       |                                                                  |
| REV:                                             |                      | TITLE:                |                                                                  |
| <b>X1</b>                                        | ECR/ECN INFORMATION: |                       | <b>KK 100 HEADER ASSEMBLY<br/>FLAT RIGHT ANGLE<br/>BREAKAWAY</b> |
|                                                  | EC No: UCP2009-0952  |                       |                                                                  |
|                                                  | DATE: 10/31/2008     |                       |                                                                  |
| DOCUMENT NUMBER:                                 |                      | CREATED / REVISED BY: | CHECKED BY:                                                      |
| <b>SD- 42377-001</b>                             |                      | <b>MKIPPER</b>        | <b>JBELL</b>                                                     |
|                                                  |                      | APPROVED BY:          |                                                                  |
|                                                  |                      | <b>FSMITH</b>         |                                                                  |
| TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC |                      |                       |                                                                  |

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| A-42377-1201/1234  |                 |                    |                 |
| HEADER NUMBER:     |                 | 42312-0036         |                 |
| PIN NUMBER:        |                 | 42663-BKA154       |                 |
| PIN LENGTH: L      |                 | .600/15.24         |                 |
| MATING LENGTH: M   |                 | .320/8.13          |                 |
| GOLD POINT: G      |                 | N/A                |                 |
| PIN HEIGHT: Y      |                 | .070/1.78          |                 |
| PC TAIL LENGTH: P  |                 | .093/2.36          |                 |
| TIN: T             |                 | OVERALL            |                 |
| CKTS:              |                 | 3-36               |                 |
| KINKS:             |                 | NONE               |                 |
| REMOVED BACKWALLS: |                 | NONE               |                 |
| VOIDED CKTS:       |                 | 2                  |                 |
| PACKAGING:         |                 | BULK PK-40873-0041 |                 |
| CKTS               | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                 |                 | 20                 | 42377-1218      |
| 03                 | 42377-1201      | 21                 | 42377-1219      |
| 04                 | 42377-1202      | 22                 | 42377-1220      |
| 05                 | 42377-1203      | 23                 | 42377-1221      |
| 06                 | 42377-1204      | 24                 | 42377-1222      |
| 07                 | 42377-1205      | 25                 | 42377-1223      |
| 08                 | 42377-1206      | 26                 | 42377-1224      |
| 09                 | 42377-1207      | 27                 | 42377-1225      |
| 10                 | 42377-1208      | 28                 | 42377-1226      |
| 11                 | 42377-1209      | 29                 | 42377-1227      |
| 12                 | 42377-1210      | 30                 | 42377-1228      |
| 13                 | 42377-1211      | 31                 | 42377-1229      |
| 14                 | 42377-1212      | 32                 | 42377-1230      |
| 15                 | 42377-1213      | 33                 | 42377-1231      |
| 16                 | 42377-1214      | 34                 | 42377-1232      |
| 17                 | 42377-1215      | 35                 | 42377-1233      |
| 18                 | 42377-1216      | 36                 | 42377-1234      |
| 19                 | 42377-1217      |                    |                 |

|                                                  |                 |                             |  |                    |                 |                                                                  |  |                    |                 |                    |  |                    |                 |                     |  |
|--------------------------------------------------|-----------------|-----------------------------|--|--------------------|-----------------|------------------------------------------------------------------|--|--------------------|-----------------|--------------------|--|--------------------|-----------------|---------------------|--|
|                                                  |                 |                             |  |                    |                 |                                                                  |  |                    |                 |                    |  |                    |                 |                     |  |
| A-42377-1067/1100                                |                 |                             |  |                    |                 |                                                                  |  | A-42377-1235/1269  |                 |                    |  |                    |                 |                     |  |
| HEADER NUMBER:                                   |                 |                             |  | 42312-0036         |                 |                                                                  |  | HEADER NUMBER:     |                 |                    |  | 42312-0036         |                 |                     |  |
| PIN NUMBER:                                      |                 |                             |  | 42663-ATB208       |                 |                                                                  |  | PIN NUMBER:        |                 |                    |  | 42663-BXB228       |                 |                     |  |
| PIN LENGTH: L                                    |                 |                             |  | .530 / 13.46       |                 |                                                                  |  | PIN LENGTH: L      |                 |                    |  | .645/16.48         |                 |                     |  |
| MATING LENGTH: M                                 |                 |                             |  | .244 / 6.20        |                 |                                                                  |  | MATING LENGTH: M   |                 |                    |  | .324/8.23          |                 |                     |  |
| GOLD POINT: G                                    |                 |                             |  | .140 / 3.56        |                 |                                                                  |  | GOLD POINT: G      |                 |                    |  | .140/3.56          |                 |                     |  |
| PIN HEIGHT: Y                                    |                 |                             |  | .050 / 1.27        |                 |                                                                  |  | PIN HEIGHT: Y      |                 |                    |  | .070/1.78          |                 |                     |  |
| PC TAIL LENGTH: P                                |                 |                             |  | .120 / 3.05        |                 |                                                                  |  | PC TAIL LENGTH: P  |                 |                    |  | .135/3.43          |                 |                     |  |
| TIN: T                                           |                 |                             |  | .135 / 3.43        |                 |                                                                  |  | TIN: T             |                 |                    |  | .135/3.43          |                 |                     |  |
| CKTS:                                            |                 |                             |  | 3-36               |                 |                                                                  |  | CKTS:              |                 |                    |  | 2-36               |                 |                     |  |
| KINKS:                                           |                 |                             |  | NONE               |                 |                                                                  |  | KINKS:             |                 |                    |  | NONE               |                 |                     |  |
| REMOVED BACKWALLS:                               |                 |                             |  | NONE               |                 |                                                                  |  | REMOVED BACKWALLS: |                 |                    |  | NONE               |                 |                     |  |
| VOIDED CKTS:                                     |                 |                             |  | 3                  |                 |                                                                  |  | VOIDED CKTS:       |                 |                    |  | NONE               |                 |                     |  |
| PACKAGING:                                       |                 |                             |  | BULK PK-40873-0041 |                 |                                                                  |  | PACKAGING:         |                 |                    |  | BULK PK-40873-0041 |                 |                     |  |
| CKTS                                             | MATERIAL NUMBER |                             |  | CKTS               | MATERIAL NUMBER |                                                                  |  | CKTS               | MATERIAL NUMBER |                    |  | CKTS               | MATERIAL NUMBER |                     |  |
| 02                                               |                 |                             |  | 20                 |                 |                                                                  |  | 02                 | 42377-1235      |                    |  | 20                 |                 |                     |  |
| 03                                               |                 |                             |  | 21                 |                 |                                                                  |  | 03                 |                 |                    |  | 21                 |                 |                     |  |
| 04                                               |                 |                             |  | 22                 |                 |                                                                  |  | 04                 |                 |                    |  | 22                 |                 |                     |  |
| 05                                               |                 |                             |  | 23                 |                 |                                                                  |  | 05                 |                 |                    |  | 23                 |                 |                     |  |
| 06                                               |                 |                             |  | 24                 |                 |                                                                  |  | 06                 |                 |                    |  | 24                 |                 |                     |  |
| 07                                               |                 |                             |  | 25                 |                 |                                                                  |  | 07                 |                 |                    |  | 25                 |                 |                     |  |
| 08                                               |                 |                             |  | 26                 |                 |                                                                  |  | 08                 |                 |                    |  | 26                 |                 |                     |  |
| 09                                               |                 |                             |  | 27                 |                 |                                                                  |  | 09                 |                 |                    |  | 27                 |                 |                     |  |
| 10                                               |                 |                             |  | 28                 |                 |                                                                  |  | 10                 |                 |                    |  | 28                 |                 |                     |  |
| 11                                               | 42377-1075      |                             |  | 29                 |                 |                                                                  |  | 11                 |                 |                    |  | 29                 |                 |                     |  |
| 12                                               |                 |                             |  | 30                 |                 |                                                                  |  | 12                 |                 |                    |  | 30                 |                 |                     |  |
| 13                                               |                 |                             |  | 31                 |                 |                                                                  |  | 13                 |                 |                    |  | 31                 |                 |                     |  |
| 14                                               |                 |                             |  | 32                 |                 |                                                                  |  | 14                 |                 |                    |  | 32                 |                 |                     |  |
| 15                                               |                 |                             |  | 33                 |                 |                                                                  |  | 15                 |                 |                    |  | 33                 |                 |                     |  |
| 16                                               |                 |                             |  | 34                 |                 |                                                                  |  | 16                 |                 |                    |  | 34                 |                 |                     |  |
| 17                                               |                 |                             |  | 35                 |                 |                                                                  |  | 17                 |                 |                    |  | 35                 |                 |                     |  |
| 18                                               |                 |                             |  | 36                 |                 |                                                                  |  | 18                 |                 |                    |  | 36                 |                 |                     |  |
| 19                                               |                 |                             |  |                    |                 |                                                                  |  | 19                 |                 |                    |  |                    |                 |                     |  |
|                                                  |                 |                             |  |                    |                 |                                                                  |  |                    |                 |                    |  |                    |                 |                     |  |
| REV:                                             |                 | <u>ECR/ECN INFORMATION:</u> |  |                    |                 | <u>TITLE:</u>                                                    |  |                    |                 |                    |  | <u>SHEET No.</u>   |                 |                     |  |
| <b>X1</b>                                        |                 | EC No: <b>UCP2009-0952</b>  |  |                    |                 | <b>KK 100 HEADER ASSEMBLY<br/>FLAT RIGHT ANGLE<br/>BREAKAWAY</b> |  |                    |                 |                    |  | <b>- 15 -</b>      |                 |                     |  |
|                                                  |                 | DATE: <b>10/31/2008</b>     |  |                    |                 |                                                                  |  |                    |                 |                    |  |                    |                 |                     |  |
| <u>DOCUMENT NUMBER:</u>                          |                 |                             |  |                    |                 | <u>CREATED / REVISED BY:</u>                                     |  |                    |                 | <u>CHECKED BY:</u> |  |                    |                 | <u>APPROVED BY:</u> |  |
| <b>SD- 42377-001</b>                             |                 |                             |  |                    |                 | <b>MKIPPER</b>                                                   |  |                    |                 | <b>JBELL</b>       |  |                    |                 | <b>FSMITH</b>       |  |
| TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC |                 |                             |  |                    |                 |                                                                  |  |                    |                 |                    |  |                    |                 |                     |  |

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|--------------------------------------------------------------------------|-----------------|----------------------------------------------|-----------------|---------------------------------------------------------|-----------------|--------------------|-----------------|---------------------|--|
|                                                                          |                 |                                              |                 |                                                         |                 |                    |                 |                     |  |
| A-42377-1270 / 1304                                                      |                 |                                              |                 |                                                         |                 |                    |                 | ✓ A-42377-1305/1339 |  |
| HEADER NUMBER:                                                           |                 | 42312-0036                                   |                 | HEADER NUMBER:                                          |                 | 42312-0036         |                 |                     |  |
| PIN NUMBER:                                                              |                 | 42663-BHA154                                 |                 | PIN NUMBER:                                             |                 | 42663-BYA154       |                 |                     |  |
| PIN LENGTH: L                                                            |                 | .590 / 14.99                                 |                 | PIN LENGTH: L                                           |                 | .650/16.51         |                 |                     |  |
| MATING LENGTH: M                                                         |                 | .343 / 8.71                                  |                 | MATING LENGTH: M                                        |                 | .394/10.01         |                 |                     |  |
| GOLD POINT: G                                                            |                 | N/A                                          |                 | GOLD POINT: G                                           |                 | N/A                |                 |                     |  |
| PIN HEIGHT: Y                                                            |                 | .070 / 1.78                                  |                 | PIN HEIGHT: Y                                           |                 | .050/1.27          |                 |                     |  |
| PC TAIL LENGTH: P                                                        |                 | <u>.055 +/- .025</u><br><u>1.40 +/- 0.64</u> |                 | PC TAIL LENGTH: P                                       |                 | .089/2.26          |                 |                     |  |
| TIN: T                                                                   |                 | OVERALL                                      |                 | TIN: T                                                  |                 | OVERALL            |                 |                     |  |
| CKTS:                                                                    |                 | 2-36                                         |                 | CKTS:                                                   |                 | 2-36               |                 |                     |  |
| KINKS:                                                                   |                 | NONE                                         |                 | KINKS:                                                  |                 | NONE               |                 |                     |  |
| REMOVED BACKWALLS:                                                       |                 | NONE                                         |                 | REMOVED BACKWALLS:                                      |                 | NONE               |                 |                     |  |
| VOIDED CKTS:                                                             |                 | 2                                            |                 | VOIDED CKTS:                                            |                 | NONE               |                 |                     |  |
| PACKAGING:                                                               |                 | BULK PK-40873-0041                           |                 | PACKAGING:                                              |                 | BULK PK-40873-0041 |                 |                     |  |
| CKTS                                                                     | MATERIAL NUMBER | CKTS                                         | MATERIAL NUMBER | CKTS                                                    | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |                     |  |
| 02                                                                       |                 | 20                                           |                 | 02                                                      | 42377-1305      | 20                 |                 |                     |  |
| 03                                                                       | 42377-1271      | 21                                           |                 | 03                                                      |                 | 21                 |                 |                     |  |
| 04                                                                       |                 | 22                                           |                 | 04                                                      |                 | 22                 |                 |                     |  |
| 05                                                                       |                 | 23                                           |                 | 05                                                      |                 | 23                 |                 |                     |  |
| 06                                                                       |                 | 24                                           |                 | 06                                                      | 42377-1309      | 24                 |                 |                     |  |
| 07                                                                       |                 | 25                                           |                 | 07                                                      |                 | 25                 |                 |                     |  |
| 08                                                                       |                 | 26                                           |                 | 08                                                      |                 | 26                 |                 |                     |  |
| 09                                                                       |                 | 27                                           |                 | 09                                                      |                 | 27                 |                 |                     |  |
| 10                                                                       |                 | 28                                           |                 | 10                                                      |                 | 28                 |                 |                     |  |
| 11                                                                       |                 | 29                                           |                 | 11                                                      |                 | 29                 |                 |                     |  |
| 12                                                                       |                 | 30                                           |                 | 12                                                      |                 | 30                 |                 |                     |  |
| 13                                                                       |                 | 31                                           |                 | 13                                                      |                 | 31                 |                 |                     |  |
| 14                                                                       |                 | 32                                           |                 | 14                                                      |                 | 32                 |                 |                     |  |
| 15                                                                       |                 | 33                                           |                 | 15                                                      |                 | 33                 |                 |                     |  |
| 16                                                                       |                 | 34                                           |                 | 16                                                      |                 | 34                 |                 |                     |  |
| 17                                                                       |                 | 35                                           |                 | 17                                                      |                 | 35                 |                 |                     |  |
| 18                                                                       |                 | 36                                           |                 | 18                                                      |                 | 36                 |                 |                     |  |
| 19                                                                       |                 |                                              |                 | 19                                                      |                 |                    |                 |                     |  |
|                                                                          |                 |                                              |                 |                                                         |                 |                    |                 |                     |  |
| REV:                                                                     |                 | ECR/ECN INFORMATION:                         |                 | TITLE:                                                  |                 |                    |                 | SHEET No.           |  |
| X1                                                                       |                 | EC No: UCP2009-0952                          |                 | KK 100 HEADER ASSEMBLY<br>FLAT RIGHT ANGLE<br>BREAKAWAY |                 |                    |                 | - 16 -              |  |
|                                                                          |                 | DATE: 10/31/2008                             |                 |                                                         |                 |                    |                 |                     |  |
| DOCUMENT NUMBER:                                                         |                 |                                              |                 | CREATED / REVISED BY:                                   |                 | CHECKED BY:        |                 | APPROVED BY:        |  |
| SD- 42377-001                                                            |                 |                                              |                 | MKIPPER                                                 |                 | JBELL              |                 | FSMITH              |  |
| <div> <div>TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC</div> </div> |                 |                                              |                 |                                                         |                 |                    |                 |                     |  |

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|                     |                 |                                          |                 |
|                     |                 |                                          |                 |
| ✓ A-42377-1340/1358 |                 |                                          |                 |
| HEADER NUMBER:      |                 | 42312-0036                               |                 |
| PIN NUMBER:         |                 | 42663-AFB208                             |                 |
| PIN LENGTH: L       |                 | .475/12.07                               |                 |
| MATING LENGTH: M    |                 | .195/4.95                                |                 |
| GOLD POINT: G       |                 | .150/3.81                                |                 |
| PIN HEIGHT: Y       |                 | .058/1.47                                |                 |
| PC TAIL LENGTH: P   |                 | .093/2.36                                |                 |
| TIN: T              |                 | .100/2.54                                |                 |
| CKTS:               |                 | 18-36                                    |                 |
| KINKS:              |                 | NONE                                     |                 |
| REMOVED BACKWALLS:  |                 | NONE                                     |                 |
| VOIDED CKTS:        |                 | 2, 4, 5, 6, 7, 9, 11, 12, 13, 14, 16, 18 |                 |
| PACKAGING:          |                 | BULK PK-40873-0041                       |                 |
| CKTS                | MATERIAL NUMBER | CKTS                                     | MATERIAL NUMBER |
|                     |                 | 20                                       |                 |
|                     |                 | 21                                       |                 |
|                     |                 | 22                                       |                 |
|                     |                 | 23                                       |                 |
|                     |                 | 24                                       |                 |
|                     |                 | 25                                       |                 |
|                     |                 | 26                                       |                 |
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|                     |                 | 29                                       |                 |
|                     |                 | 30                                       |                 |
|                     |                 | 31                                       |                 |
|                     |                 | 32                                       |                 |
|                     |                 | 33                                       |                 |
|                     |                 | 34                                       |                 |
|                     |                 | 35                                       |                 |
| 18                  |                 | 36                                       |                 |
| 19                  | 42377-1341      |                                          |                 |

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|---------------------|-----------------|--------------------|-----------------|
|                     |                 |                    |                 |
| ✓ A-42377-1359/1393 |                 |                    |                 |
| HEADER NUMBER:      |                 | 42312-0036         |                 |
| PIN NUMBER:         |                 | 42663-CJA154       |                 |
| PIN LENGTH: L       |                 | .700 / 17.78       |                 |
| MATING LENGTH: M    |                 | .394/10.01         |                 |
| GOLD POINT: G       |                 | N/A                |                 |
| PIN HEIGHT: Y       |                 | .050/1.27          |                 |
| PC TAIL LENGTH: P   |                 | .135 / 3.43        |                 |
| TIN: T              |                 | OVERALL            |                 |
| CKTS:               |                 | 2-36               |                 |
| KINKS:              |                 | PER SMES-42003     |                 |
| REMOVED BACKWALLS:  |                 | NONE               |                 |
| VOIDED CKTS:        |                 | NONE               |                 |
| PACKAGING:          |                 | BULK PK-40873-0041 |                 |
| CKTS                | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                  | 42377-1359      | 20                 |                 |
| 03                  |                 | 21                 |                 |
| 04                  |                 | 22                 |                 |
| 05                  |                 | 23                 |                 |
| 06                  | 42377-1363      | 24                 |                 |
| 07                  |                 | 25                 |                 |
| 08                  |                 | 26                 |                 |
| 09                  |                 | 27                 |                 |
| 10                  |                 | 28                 |                 |
| 11                  |                 | 29                 |                 |
| 12                  |                 | 30                 |                 |
| 13                  |                 | 31                 |                 |
| 14                  |                 | 32                 |                 |
| 15                  |                 | 33                 |                 |
| 16                  |                 | 34                 |                 |
| 17                  |                 | 35                 |                 |
| 18                  |                 | 36                 |                 |
| 19                  |                 |                    |                 |

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|-------------------------|-----------------------------|------------------------------------------------------------------|--------------------|
| REV:                    | <u>ECR/ECN INFORMATION:</u> | <u>TITLE:</u>                                                    | <u>SHEET No.</u>   |
| <b>X1</b>               | EC No: <b>UCP2009-0952</b>  | <b>KK 100 HEADER ASSEMBLY<br/>FLAT RIGHT ANGLE<br/>BREAKAWAY</b> | <b>- 17 -</b>      |
|                         | DATE: <b>10/31/2008</b>     |                                                                  |                    |
| <u>DOCUMENT NUMBER:</u> |                             | <u>CREATED / REVISED BY:</u>                                     | <u>CHECKED BY:</u> |
| <b>SD- 42377-001</b>    |                             | <b>MKIPPER</b>                                                   | <b>JBELL</b>       |
|                         |                             | <u>APPROVED BY:</u>                                              |                    |
|                         |                             | <b>FSMITH</b>                                                    |                    |

TEMPLATE FILENAME: PRODUCT\_SPEC[SIZE\_A](V.1).DOC

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|---------------------|-----------------|--------------------|-----------------|
|                     |                 |                    |                 |
| ✓ A-42377-1394/1428 |                 |                    |                 |
| HEADER NUMBER:      |                 | 42312-0036         |                 |
| PIN NUMBER:         |                 | 42663-CJA154       |                 |
| PIN LENGTH: L       |                 | .700 / 17.78       |                 |
| MATING LENGTH: M    |                 | .394/10.01         |                 |
| GOLD POINT: G       |                 | N/A                |                 |
| PIN HEIGHT: Y       |                 | .050/1.27          |                 |
| PC TAIL LENGTH: P   |                 | .135 / 3.43        |                 |
| TIN: T              |                 | OVERALL            |                 |
| CKTS:               |                 | 2-36               |                 |
| KINKS:              |                 | NONE               |                 |
| REMOVED BACKWALLS:  |                 | NONE               |                 |
| VOIDED CKTS:        |                 | NONE               |                 |
| PACKAGING:          |                 | BULK PK-40873-0041 |                 |
| CKTS                | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                  | 42377-1394      | 20                 |                 |
| 03                  |                 | 21                 |                 |
| 04                  |                 | 22                 |                 |
| 05                  |                 | 23                 |                 |
| 06                  |                 | 24                 |                 |
| 07                  |                 | 25                 |                 |
| 08                  |                 | 26                 |                 |
| 09                  |                 | 27                 |                 |
| 10                  |                 | 28                 |                 |
| 11                  |                 | 29                 |                 |
| 12                  |                 | 30                 |                 |
| 13                  |                 | 31                 |                 |
| 14                  |                 | 32                 |                 |
| 15                  |                 | 33                 |                 |
| 16                  |                 | 34                 |                 |
| 17                  |                 | 35                 |                 |
| 18                  |                 | 36                 |                 |
| 19                  |                 |                    |                 |

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|--------------------|-----------------|--------------------|-----------------|
| ✓ A-42377-1429     |                 |                    |                 |
| HEADER NUMBER:     |                 | 42312-0036         |                 |
| PIN NUMBER:        |                 | 42663-ECA154       |                 |
| PIN LENGTH: L      |                 | .880 / 22.35       |                 |
| MATING LENGTH: M   |                 | .600/15.24         |                 |
| GOLD POINT: G      |                 | N/A                |                 |
| PIN HEIGHT: Y      |                 | .050/1.27          |                 |
| PC TAIL LENGTH: P  |                 | .116 / 2.95        |                 |
| TIN: T             |                 | OVERALL            |                 |
| CKTS:              |                 | 5-36               |                 |
| KINKS:             |                 | NONE               |                 |
| REMOVED BACKWALLS: |                 | NONE               |                 |
| VOIDED CKTS:       |                 | 2,3,4              |                 |
| PACKAGING:         |                 | BULK PK-40873-0041 |                 |
| CKTS               | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
|                    |                 | 20                 |                 |
|                    |                 | 21                 |                 |
|                    |                 | 22                 |                 |
| 05                 | 42377-1429      | 23                 |                 |
| 06                 |                 | 24                 |                 |
| 07                 |                 | 25                 |                 |
| 08                 |                 | 26                 |                 |
| 09                 |                 | 27                 |                 |
| 10                 |                 | 28                 |                 |
| 11                 |                 | 29                 |                 |
| 12                 |                 | 30                 |                 |
| 13                 |                 | 31                 |                 |
| 14                 |                 | 32                 |                 |
| 15                 |                 | 33                 |                 |
| 16                 |                 | 34                 |                 |
| 17                 |                 | 35                 |                 |
| 18                 |                 | 36                 |                 |
| 19                 |                 |                    |                 |

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|-------------------------|-----------------------------|------------------------------------------------------------------|--------------------|
| REV:                    | <u>ECR/ECN INFORMATION:</u> | <u>TITLE:</u>                                                    | <u>SHEET No.</u>   |
| <b>X1</b>               | EC No: <b>UCP2009-0952</b>  | <b>KK 100 HEADER ASSEMBLY<br/>FLAT RIGHT ANGLE<br/>BREAKAWAY</b> | <b>- 18 -</b>      |
|                         | DATE: <b>10/31/2008</b>     |                                                                  |                    |
| <u>DOCUMENT NUMBER:</u> |                             | <u>CREATED / REVISED BY:</u>                                     | <u>CHECKED BY:</u> |
| <b>SD- 42377-001</b>    |                             | <b>MKIPPER</b>                                                   | <b>JBELL</b>       |
|                         |                             | <u>APPROVED BY:</u>                                              |                    |
|                         |                             | <b>FSMITH</b>                                                    |                    |

TEMPLATE FILENAME: PRODUCT\_SPEC[SIZE\_A](V.1).DOC